



# **Kuri Tec<sup>®</sup>**

The Kuri Tec<sup>®</sup>  
Products shown  
in this catalog are  
manufactured from all  
Phthalate Free materials.



**Phthalate  
FREE**

## **Leaders in Thermoplastic Hose Innovation and Manufacturing**

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on the Web!

**EDITION 0617**

## Cautionary Statement

All Products sold and distributed by Kuriyama of America, Inc. are in the nature of commodities and they are sold by published specifications and not for particular purposes, uses or applications. Purchaser shall first determine their suitability for the intended purposes, uses or applications and shall either conduct its own engineering studies or tests, or retain qualified engineers, consultants or testing laboratories and consult with them before determining the proper use, suitability or propriety of the merchandise or Products for the intended purposes, uses or applications.

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Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation and all sections of hose and tubing including connections, couplings, clamps, conductivity and bonding should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened for the avoidance of leakage, for the prevention of injuries or damages, and for general safety purposes. Except as indicated in its Limited Warranty, Seller shall not be liable or responsible for direct or indirect injuries or damages caused by or attributed to the failure or malfunction of any Products sold or distributed by it.

Purchasers or users of the Products should frequently and consistently undertake inspections and protective measures with respect to the use and application of Products, which should include the examination of tube and cover, conditions of the hose or tubing, and the identification, repair or replacement of sections showing cracking, blistering, separations, internal and external abrasions, leaking or slipped couplings or connections and make proper proof tests.

## Limited Warranty

The Products sold or distributed by Seller are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions.

ALL WARRANTY CLAIMS SHALL BE MADE WITHIN SIX (6) MONTHS AFTER SELLER SHIPPED THE PRODUCTS. SELLER'S LIABILITY HEREUNDER IS LIMITED AT SELLER'S EXCLUSIVE DISCRETION, TO

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- 2) REPAIR OF ANY DEFECTIVE PRODUCT OR PART THEREOF; OR
- 3) REPLACEMENT OF ANY DEFECTIVE PRODUCT OR PART UPON ITS AUTHORIZED RETURN TO SELLER.

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09/2005

*Information from pages 6–7*

## Application Guide Caution

NOTE: This application guide provides information on typical hose applications. Actual results may vary due to variances in the operating conditions involving temperature, chemical resistance, working pressure, etc. Please refer to the specifications printed for each product in this catalog, along with information regarding chemical resistance and our Cautionary Statement, to better insure successful results.

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### Kuri Tec® Sizing Code

02 = 1/8"	05 = 5/16"	10 = 5/8"	20 = 1 1/4"	36 = 2 1/4"
03 = 3/16"	06 = 3/8"	12 = 3/4"	24 = 1 1/2"	40 = 2 1/2"
04 = 1/4"	08 = 1/2"	16 = 1"	32 = 2"	48 = 3"

### Kuri Tec® Color Code

(Refers to last digit in Series number†)

0 = Clear/Blue Tint	2 = Orange	4 = Red	6 = Blue	8 = Grey
1 = Yellow	3 = Black	5 = White	7 = Green	

Example: K1134 Polyair Hose is red . . . the last digit (4) refers to the color code.

† Note: Color code does not apply to 136, 220 and 221 Series Products

NOTE: Although every effort has been made to accurately show the color of the Kuri Tec® hoses in this catalog, because of the limitations of four-color process printing, some of the colors shown herein may not be exact.

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NOTE: Color coded to match page tabs.

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Abrasive Slurry Transfer			✓	✓													
Aeration Systems, Ponds & Lakes	✓	✓					✓	✓									
Air Conditioning Drainage																	
Air Lines, Assembly Operations		✓			✓	✓											✓
Air Lines, Breathing													✓	✓		✓	
Air Lines, Low Temperature				✓	✓	✓											✓
Air Supply Type C																	
Anti-Stat Blasting Agents																	
Car Wash Applications				✓	✓												✓
Chemical Transfer		✓															
Chemical Transfer, Low Temperature																	
Conductive Applications, Air											✓						
Contamination Disposal - Incinerate									✓								
Construction Water Transfer																	
Coolant Lines																	
Deionized Water Transfer	✓									✓	✓	✓		✓	✓		✓
Drain Lines — Furnace, Refrigeration, etc.	✓	✓					✓	✓									
Drinking Water Lines, Marine & RV																	
Environmental Clean-Up										✓							
Flexible Water Connectors												✓					
Food and Beverage Transfer	✓								✓	✓			✓	✓	✓	✓	
Granular Transfer Lines			✓	✓													
Ice Clearing, Aeration																	
Ice Making Machines	✓						✓										
Induction Welding Tubing Lines											✓						
Injection Molding Coolant Lines																	
In-Plant Air/Water Lines																	
Irrigation Supply Lines																	
Laboratory Tubing	✓																
Light Duty Washdown																	
Liquid Food Products			✓				✓			✓			✓	✓	✓	✓	
Lubrication/Air Drop Lines				✓													
Marine Water Supply Line																	
Metering Pumps			✓	✓													
Municipal & Industrial Watering																	
Paint Fluid Transfer — High Pressure																	
Paint Fluid Transfer — Low Pressure																	
Paint Fluid Transfer — Static Conducting																	
Pneumatic Air Lines					✓	✓											✓
Pneumatic Lines	✓						✓	✓					✓	✓			
Pneumatic Parts Transfer			✓										✓	✓		✓	
Powdered Food Products																	
Printing Press Equipment	✓	✓															
Recreational Vehicle Water Supply Line																	
Robotic Air Lines				✓													
Semiconductor Water Transfer										✓	✓	✓					
Spray, Lawn, Low Pressure																	
Spraying — Agricultural, Vineyard																	
Spraying, Nursery																	
Spraying, Pest Control																	
Spraying, Tree, High Pressure																	
Static Dissipation, In-Plant Air																	
Static Dissipation, Painting Equipment																	
Static Dissipation, Pneumatic Tools																	
Temporary Residential Water Supply Line										✓	✓						
Transmission Fluid Transfer																	
Vacuum & Pressure Combination Lines															✓		
Vacuum Pumps & Lines															✓	✓	
Wastewater Lagoons, Aeration																	
Washdown, Heavy Duty																	
Water Bottling Equipment	✓							✓		✓							
Water Distribution Lines	✓						✓										
Water Purification Systems	✓										✓						
Water Recirculation																	
Water Sampling										✓							
Water Softener Lines							✓										
Water Transfer	✓										✓	✓	✓	✓	✓	✓	
Water Transfer, Potable											✓	✓	✓	✓	✓	✓	
Watering — Golf Courses, Lawns																	

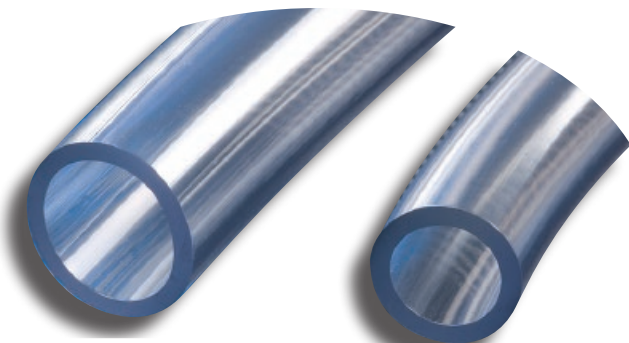
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Abrasive Slurry Transfer																				
Aeration Systems, Ponds & Lakes																			✓	
Air Conditioning Drainage																				
Air Lines, Assembly Operations	✓	✓	✓	✓																
Air Lines, Breathing																	✓			
Air Lines, Low Temperature		✓		✓																
Air Supply Type C																	✓			
Anti-Stat Blasting Agents																				✓
Car Wash Applications																				
Chemical Transfer																				
Chemical Transfer, Low Temperature								✓		✓										
Contamination Disposal - Incinerate										✓										
Construction Water Transfer					✓															
Coolant Lines																				
Deionized Water Transfer	✓																			
Drain Lines — Furnace, Refrigeration, etc.																				
Drinking Water Lines, Marine & RV																				
Environmental Clean-Up																				
Flexible Water Connectors																				
Food and Beverage Transfer																				
Granular Transfer Lines																				
Ice Clearing, Aeration																			✓	
Ice Making Machines																				
Induction Welding Tubing Lines	✓																			
Injection Molding Coolant Lines	✓																			
In-Plant Air/Water Lines		✓	✓																	
Irrigation Supply Lines					✓		✓													
Laboratory Tubing																				
Light Duty Washdown						✓														
Liquid Food Products																				
Lubrication/Air Drop Lines	✓																			
Marine Water Supply Line																				
Metering Pumps																				
Municipal & Industrial Watering					✓															
Non-Conductive Applications																		✓		
Paint Fluid Transfer — High Pressure										✓										
Paint Fluid Transfer — Low Pressure										✓										
Paint Fluid Transfer — Static Conducting									✓											
Pneumatic Air Lines		✓	✓	✓																
Pneumatic Lines																				
Pneumatic Parts Transfer																				
Powdered Food Products																				
Printing Press Equipment																				
Recreational Vehicle Water Supply Line																				
Robotic Air Lines	✓																			
Semiconductor Water Transfer																				
Spray, Lawn, Low Pressure															✓	✓				
Spraying — Agricultural, Vineyard													✓	✓	✓	✓				
Spraying, Nursery														✓						
Spraying, Pest Control													✓							
Spraying, Tree, High Pressure										✓	✓									
Static Dissipation, In-Plant Air																		✓	✓	
Static Dissipation, Painting Equipment																		✓	✓	
Static Dissipation, Pneumatic Tools																		✓	✓	
Temporary Residential Water Supply Line																				
Transmission Fluid Transfer	✓																			
Vacuum & Pressure Combination Lines																				
Vacuum Pumps & Lines																				
Wastewater Lagoons, Aeration																			✓	
Washdown, Heavy Duty					✓		✓							✓						
Water Bottling Equipment																				
Water Distribution Lines																				
Water Purification Systems																				
Water Recirculation																			✓	
Water Sampling																				
Water Softener Lines																				
Water Transfer		✓	✓	✓		✓	✓													
Water Transfer, Potable																				
Watering — Golf Courses, Lawns						✓	✓													

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**Kuri Tec®**

# KLEARON™ 68 K018 Series Clear PVC Tubing

Clear Phthalate Free PVC food grade tubing for applications requiring more flexibility.

## Construction:

Crystal clear Phthalate Free PVC compound, formulated with ingredients in compliance with applicable FDA<sup>(03)</sup>, RoHS<sup>(16)</sup> and USP<sup>(19)</sup> Class VI requirements.

## Features:

- High gloss.
- Blue tint.
- Food grade clear PVC tubing.
- Self-extinguishing.
- Compound hardness 68±3 Shore "A".
- Phthalate Free!

## Applications:

- Ideal for medical applications requiring USP class VI.
- Similar to K010 applications in which a slightly more flexible tube is desired by the customer.
- Tubing for laboratories.
- Water transfer, purification systems.
- Beverage dispensing & ice making applications.
- Water, air, drainage lines.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

## Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Nominal Wall		Working Pressure† (PSI) @70°F (20°C)	Standard Length Ctn/Coils	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	(In)	(mm)			
K018	0204	1/8	3.2	1/4	6.4	1/16	1.6	65	100 ft.	2.0 lbs.
K018	0305	3/16	4.8	5/16	7.9	1/16	1.6	55	100 ft.	2.7 lbs.
K018	0306	3/16	4.8	3/8	9.5	3/32	2.4	60	100 ft.	4.5 lbs.
K018	0406	1/4	6.4	3/8	9.5	1/16	1.6	55	100 ft.	3.4 lbs.
K018	0407	1/4	6.4	7/16	11.1	3/32	2.4	58	100 ft.	5.5 lbs.
K018	0507	5/16	7.9	7/16	11.1	1/16	1.6	50	100 ft.	4.0 lbs.
K018	0508	5/16	7.9	1/2	12.7	3/32	2.4	55	100 ft.	6.5 lbs.
K018	0608	3/8	9.5	1/2	12.7	1/16	1.6	45	100 ft.	4.7 lbs.
K018	0609	3/8	9.5	9/16	14.3	3/32	2.4	50	100 ft.	7.5 lbs.
K018	0709	7/16	11.1	9/16	14.3	1/16	1.6	35	100 ft.	5.3 lbs.
K018	0810	1/2	12.7	5/8	15.9	1/16	1.6	30	100 ft.	6.0 lbs.
K018	1013	5/8	15.9	13/16	20.6	3/32	2.4	35	100 ft.	11.6 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® non-reinforced PVC tubing is not recommended. Hose claims involving use of these fittings will be disallowed.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(03)</sup>, PHthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>, USP<sup>(19)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## KLEARON™ 73 K010 Series

### Clear PVC Tubing



CERTIFIED UNDER  
STANDARD 51



Clear food and beverage grade  
Phthalate Free PVC tubing.

#### Construction:

Crystal clear Phthalate Free PVC compound, formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> requirements, meets USDA<sup>(18)</sup>, 3A<sup>(01)</sup>, NSF<sup>(13)</sup>, UL<sup>(17)</sup>, RoHS<sup>(16)</sup> and USP<sup>(19)</sup> Class VI criteria.

#### Features:

- High gloss crystal clear appearance with glass smooth interior to reduce sediment buildup.
- Blue tint to enhance clarity.
- NSF-51 certified material.
- Self-extinguishing.
- Compound hardness 73 ±3 Shore "A".
- Phthalate Free!

#### Applications:

- Tubing for laboratories.
- Water distillation lines.
- Deionized water systems.
- Air conditioning drainage.
- Refrigeration drainage.
- Air lines.
- Bottling plants.
- Beverage dispensing units.
- Ice making machines.
- Printing press equipment.
- High efficiency furnace drainage.
- Transfer of weak chemicals & acids.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® non-reinforced PVC tubing is not recommended. Hose claims involving use of these fittings will be disallowed.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, PHTHALATE  
FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>, UL<sup>(17)</sup>, USDA<sup>(18)</sup>,  
USP<sup>(19)</sup>**

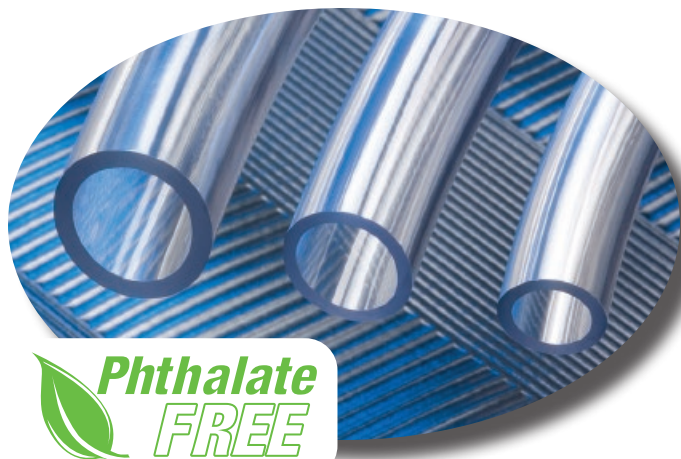
Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

#### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Nominal Wall		Working Pressure† (PSI) @70°F (20°C)	Standard Length Ctn/Coils	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	(In)	(mm)			
K010	0204	1/8	3.2	1/4	6.4	1/16	1.6	65	100 ft.	2.0 lbs.
K010	0304	3/16	4.8	1/4	6.4	1/32	0.8	50	100 ft.	1.2 lbs.
K010	0305	3/16	4.8	5/16	7.9	1/16	1.6	55	100 ft.	2.7 lbs.
K010	0306	3/16	4.8	3/8	9.5	3/32	2.4	60	100 ft.	4.5 lbs.
K010	0406	1/4	6.4	3/8	9.5	1/16	1.6	55	100 ft.	3.4 lbs.
K010	0407	1/4	6.4	7/16	11.1	3/32	2.4	58	100 ft.	5.5 lbs.
K010	0408	1/4	6.4	1/2	12.7	1/8	3.2	60	100 ft.	8.0 lbs.
K010	0507	5/16	7.9	7/16	11.1	1/16	1.6	50	100 ft.	4.0 lbs.
K010	0508	5/16	7.9	1/2	12.7	3/32	2.4	55	100 ft.	6.5 lbs.
K010	0509	5/16	7.9	9/16	14.3	1/8	3.2	60	100 ft.	9.4 lbs.
K010	0608	3/8	9.5	1/2	12.7	1/16	1.6	45	100 ft.	4.7 lbs.
K010	0609	3/8	9.5	9/16	14.3	3/32	2.4	50	100 ft.	7.5 lbs.
K010	0610	3/8	9.5	5/8	15.9	1/8	3.2	55	100 ft.	10.7 lbs.
K010	0709	7/16	11.1	9/16	14.3	1/16	1.6	35	100 ft.	6.0 lbs.
K010	0810	1/2	12.7	5/8	15.9	1/16	1.6	30	100 ft.	6.0 lbs.
K010	0811	1/2	12.7	11/16	17.5	3/32	2.4	40	100 ft.	9.5 lbs.
K010	0812	1/2	12.7	3/4	19.1	1/8	3.2	45	100 ft.	13.4 lbs.
K010	1012	5/8	15.9	3/4	19.1	1/16	1.6	25	100 ft.	8.2 lbs.
K010	1013	5/8	15.9	13/16	20.6	3/32	2.4	35	100 ft.	11.6 lbs.
K010	1014	5/8	15.9	7/8	22.2	1/8	3.2	40	100 ft.	16.1 lbs.
K010	1216	3/4	19.1	1	25.4	1/8	3.2	35	100 ft.	18.8 lbs.
K010	1218	3/4	19.1	1 1/8	28.6	3/16	4.8	40	100 ft.	30.0 lbs.
K010	1220	3/4	19.1	1 1/4	31.8	1/4	6.4	45	100 ft.	42.9 lbs.
K010	1418	7/8	22.2	1 1/8	28.6	1/8	3.2	30	100 ft.	21.4 lbs.
K010	1420	7/8	22.2	1 1/4	31.8	3/16	4.8	35	100 ft.	34.1 lbs.
K010	1620	1	25.4	1 1/4	31.8	1/8	3.2	25	100 ft.	24.1 lbs.
K010	1622	1	25.4	1 3/8	34.9	3/16	4.8	30	100 ft.	38.2 lbs.
K010	1624	1	25.4	1 1/2	38.1	1/4	6.4	35	100 ft.	53.6 lbs.
K010	2024	1 1/4	31.8	1 1/2	38.1	1/8	3.2	20	50 ft.	14.8 lbs.
K010	2026	1 1/4	31.8	1 5/8	41.3	3/16	4.8	30	50 ft.	23.1 lbs.
K010	2028	1 1/4	31.8	1 3/4	44.5	1/4	6.4	40	50 ft.	32.2 lbs.
K010	2430	1 1/2	38.1	1 7/8	47.6	3/16	4.8	30	50 ft.	27.1 lbs.
K010	2432	1 1/2	38.1	2	50.8	1/4	6.4	35	50 ft.	37.5 lbs.
K010	3240	2	50.8	2 1/2	63.5	1/4	6.4	35	50 ft.	48.2 lbs.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Kuri Tec®****K050 Series  
Clear PVC Tubing**

Utility grade clear food grade Phthalate Free PVC tubing for general use applications.

**Construction:**

Clear Phthalate Free PVC compound formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> and RoHS<sup>(16)</sup> requirements.

**Features:**

- High gloss clear appearance with glass smooth interior to reduce sediment buildup.
- FDA compliant Phthalate Free PVC compound.

- Self-extinguishing.
- Compound hardness 75 ±3 Shore "A".
- Phthalate Free!

**Applications:**

- Air conditioning drainage.
- Refrigeration drainage.
- Air lines.
- Printing press equipment.
- High efficiency furnace drainage.
- Transfer of weak chemicals and acids.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

**Nominal Specifications**

Series Number	Size Code	Nominal ID		Nominal OD		Nominal Wall Thickness		Working Pressure† (PSI) @70°F(20°C)	Standard Length Ctn/Coils	Approx. Wgt. Per Pkg. (lbs.)
		(in)	(mm)	(in)	(mm)	(in)	(mm)			
K050	0204	1/8	3.2	1/4	6.4	1/16	1.6	65	100 ft	2.0 lbs.
K050	0305	3/16	4.8	5/16	7.9	1/16	1.6	55	100 ft	2.7 lbs.
K050	0406	1/4	6.4	3/8	9.5	1/16	1.6	55	100 ft	3.4 lbs.
K050	0408	1/4	6.4	1/2	12.7	1/8	3.2	60	100 ft	8.0 lbs.
K050	0507	5/16	7.9	7/16	11.1	1/16	1.6	50	100 ft	4.0 lbs.
K050	0608	3/8	9.5	1/2	12.7	1/16	1.6	45	100 ft	4.7 lbs.
K050	0609	3/8	9.5	9/16	14.3	3/32	2.4	50	100 ft	7.5 lbs.
K050	0610	3/8	9.5	5/8	15.9	1/8	3.2	55	100 ft	10.7 lbs.
K050	0810	1/2	12.7	5/8	15.9	1/16	1.6	30	100 ft	6.0 lbs.
K050	0812	1/2	12.7	3/4	19.1	1/8	3.2	45	100 ft	13.4 lbs.
K050	1013	5/8	15.9	13/16	20.6	3/32	2.4	35	100 ft	11.6 lbs.
K050	1014	5/8	15.9	7/8	22.2	1/8	3.2	40	100 ft	16.1 lbs.
K050	1216	3/4	19.1	1	25.4	1/8	3.2	35	100 ft	18.8 lbs.
K050	1418	7/8	22.2	1 1/8	28.6	1/8	3.2	30	100 ft	21.4 lbs.
K050	1620	1	25.4	1 1/4	31.8	1/8	3.2	25	100 ft	24.1 lbs.
K050	2024	1 1/4	31.8	1 1/2	38.1	1/8	3.2	20	50 ft	14.8 lbs.
K050	2430	1 1/2	38.1	1 7/8	47.6	3/16	4.8	30	50 ft	27.1 lbs.
K050	2432	1 1/2	38.1	2	50.8	1/4	6.4	35	50 ft	37.5 lbs.
K050	3240	2	50.8	2 1/2	63.5	1/4	6.4	35	50 ft	48.2 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

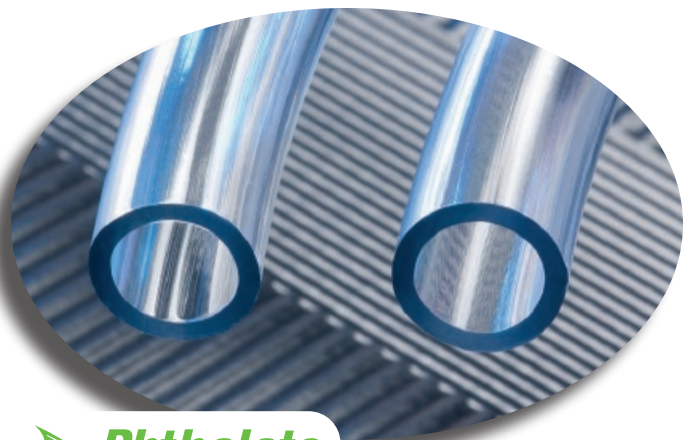
NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(03)</sup>, PHthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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## 2600 Series

### 85 Shore "A"

### Ether-Based Clear

### Food Grade Polyurethane

### Tubing

Clear polyurethane ether-based food grade tubing for transfer of air, fluids and abrasive slurries.

#### Construction:

85 Shore "A" Durometer ether-based polyurethane tubing in transparent blue tint. Blue tint 2600 material conforms to FDA<sup>(07)</sup> and NSF<sup>(09)</sup> requirements. Also in compliance with RoHS<sup>(16)</sup> requirements.

#### Features:

- Abrasion and cut resistance.
- Good flex fatigue and resilience characteristics.
- Excellent resistance to ozone, solvents and fuel.
- Good resistance to hydrolysis and algae.
- Slight blue tint allows see-through convenience.
- Complies with RMA's Class A designation for high oil resistance.

- Silicone-free.
- One-piece lengths.
- Phthalate Free!

#### Applications:

- Transfer of air and fluids under severe conditions.
- Feed and return lines.
- Abrasive slurry transfer.
- Granular transfer lines.
- Robotics control lines.
- Insulating sleeves.
- Lubrication lines.
- Metering pumps.

**Note:** Not recommended for transfer of brake fluids.

**Service Temperature Range:** -40°F (-40°C) to +175°F (+80°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Nominal Wall		Max. Working Pressure† (PSI)		Standard Length Coil/Box	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		
2600	0204	1/8	3.2	1/4	6.4	1/16	1.6	100	75	100 ft.	2 lbs.
2600	0305	3/16	4.8	5/16	7.9	1/16	1.6	75	50	100 ft.	3 lbs.
2600	0406	1/4	6.4	3/8	9.5	1/16	1.6	60	45	100 ft.	3.5 lbs.
2600	0507	5/16	7.9	7/16	11.1	1/16	1.6	50	35	100 ft.	4 lbs.
2600	0608	3/8	9.5	1/2	12.7	1/16	1.6	45	30	100 ft.	5 lbs.
2600	0812	1/2	12.7	3/4	19.1	1/8	3.2	60	45	100 ft.	13 lbs.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** When exceptional oil and fuel resistance is needed, we suggest use of Series 2810 ester-based tubing — call for details.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(07)</sup>, NSF<sup>(09)</sup>, PHTHALATE FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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## 2840, 2841, 2844, 2846 Series

### 95 Shore “A” Ether-Based Heavy Duty Polyurethane Tubing



Ether-based polyurethane tubing available in colors for transfer of air, fluids and abrasive slurries.

#### Construction:

Series 2840, 2841, 2844, 2846 — 95 Shore “A” Durometer ether-based polyurethane tubing in transparent FDA<sup>(07)</sup> and NSF<sup>(09)</sup> blue tint, 2840 – Blue Tint, as well as three industrial grade solid colors: 2841 – Yellow, 2844 – Red, 2846 – Blue

#### Features:

- Abrasion and cut resistance.
- Good flex fatigue and resilience characteristics.
- Excellent resistance to ozone, solvents and fuel.
- Good resistance to hydrolysis and algae.
- Slight blue\* tint allows see-through convenience.
- Complies with RMA's Class A designation for high oil resistance.
- Silicone-free.

- One-piece lengths.
- Individually bagged self store assemblies are available, see page 38.
- RoHS<sup>(16)</sup> compliant.
- Phthalate Free!

#### Applications:

- Transfer of air and fluids under severe conditions.
- Feed and return lines.
- Abrasive slurry transfer.
- Granular transfer lines.
- Robotics control lines.
- Insulating sleeves.
- Lubrication lines.
- Metering pumps.

**Note:** Not recommended for transfer of brake fluids.

**Service Temperature Range:** -40°F (-40°C) to +175°F (+80°C)

### Nominal Specifications

Series No.				Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Lengths		Approx. Wt. per Pkg.	
2840 B' Tint	2841 Yellow	2844 Red	2846 Blue		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)	Spool/Box	Coil/Box	300 ft.	100 ft.
✓	✓	✓	✓	04	1/4	6.5	.375	9.5	125	75	300 ft.	100 ft.	9.5 lbs.	3.1 lbs.
✓	✓	✓	✓	06	3/8	9.5	.570	14.5	125	75	300 ft.	100 ft.	21.7 lbs.	7.2 lbs.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

\* **Note:** The blue tint Series 2840 material conforms to the same FDA regulations as Series 2600.

**Note:** When exceptional oil and fuel resistance is needed, we suggest use of Series 2810 ester-based tubing which is RoHS<sup>(15)</sup> compliant — call for details.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(07)</sup>, NSF<sup>(09)</sup>, PHthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.



## 220 Series

### Linear Low Density Food Grade Polyethylene Tubing

LLDPE food grade tubing for standard industrial applications.

#### Construction:

Linear low density food grade polyethylene tubing in compliance with FDA<sup>(06)</sup> requirements – natural color. Also in compliance with RoHS<sup>(16)</sup> requirements.

#### Features:

- Economical and lightweight.
- LLDPE resin provides excellent environmental stress crack resistance.
- Natural color.

- Excellent resistance to solvents.
- Chemically inert.
- Phthalate Free!

#### Applications:

- Transfer of air and liquids in industrial applications.
- Water lines.
- Water softener lines.
- Pneumatic logic control lines.
- Vending equipment.

Service Temperature Range: -50°F (-45°C) to +140°F (+60°C)

### Nominal Specifications

Series No.	Size Code	Nominal OD		Nominal ID		Nominal Wall		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)	Spool/Coil	Pkg.	
220	0440x1K	1/4	6.4	.170	4.3	.040	1.0	140	60	1000 ft.	Spool	11 lbs.
220	0440x2K	1/4	6.4	.170	4.3	.040	1.0	140	60	2000 ft.	Spool	22 lbs.
220	0440x500	1/4	6.4	.170	4.3	.040	1.0	140	60	500 ft.	Spool	6 lbs.
220	0440x100	1/4	6.4	.170	4.3	.040	1.0	140	60	100 ft.	Coil	1 lbs.
220	0462x2K	1/4	6.4	.125	3.1	.062	1.6	150	75	2000 ft.	Spool	30 lbs.
220	0562x15C	5/16	7.9	.188	4.8	.062	1.6	150	75	1500 ft.	Spool	30 lbs.
220	0662x1K	3/8	9.5	.250	6.4	.062	1.6	125	50	1000 ft.	Spool	25 lbs.
220	0662x500	3/8	9.5	.250	6.4	.062	1.6	125	50	500 ft.	Spool	13 lbs.
220	0662x100	3/8	9.5	.250	6.4	.062	1.6	125	50	100 ft.	Coil	3 lbs.
220	0862x500	1/2	12.7	.375	9.5	.062	1.6	100	35	500 ft.	Spool	18 lbs.
220	0862x100	1/2	12.7	.375	9.5	.062	1.6	100	35	100 ft.	Spool	3.6 lbs.
220	1062x500	5/8	15.9	.500	12.7	.062	1.6	75	25	500 ft.	Coil	23 lbs.
220	1062x100	5/8	15.9	.500	12.7	.062	1.6	75	25	100 ft.	Coil	4.8 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(06)</sup>, PHthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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## 221 Series

### Linear Low Density Industrial Grade Polyethylene Tubing



LLDPE industrial grade colored tubing for general industrial applications.

#### Construction:

- Linear low density polyethylene tubing - black color in compliance with RoHS<sup>(16)</sup> requirements.

#### Features:

- Economical and lightweight.
- LLDPE resin provides excellent environmental stress crack resistance.
- Resistant to sunlight and other forms of ultra-violet radiation.

- Chemically inert.
- Excellent resistance to solvents.
- Phthalate Free!

#### Applications:

- Transfer of air and liquids in industrial applications.
- Humidifier fill lines.
- For outdoor uses where exposure to sunlight occurs.
- Air conditioning drain lines.
- Instrument air lines.

Additional sizes not shown of the following colors are available on special order: 2231-Yellow, 2232-Orange, 2234-Red, 2236-Blue, 2237-Green and are in compliance with RoHS<sup>(16)</sup> requirements.

Service Temperature Range: -50°F (-45°C) to +140°F (+60°C)

### Nominal Specifications

Series No.	Size Code	Nominal OD		Nominal ID		Nominal Wall		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)	Spool/Coil	Pkg.	
221	0440x2K	1/4	6.4	.170	4.3	.040	1.0	140	60	2000 ft.	Spool	22 lbs.
2231	0440x1K	1/4	6.4	.170	3.1	.040	1.0	140	60	1000 ft.	Spool	11 lbs.
2232	0440x1K	1/4	6.4	.170	3.1	.040	1.0	140	60	1000 ft.	Spool	11 lbs.
2234	0440x1K	1/4	6.4	.170	3.1	.040	1.0	140	60	1000 ft.	Spool	11 lbs.
2236	0440x1K	1/4	6.4	.170	3.1	.040	1.0	140	60	1000 ft.	Spool	11 lbs.
2237	0440x1K	1/4	6.4	.170	3.1	.040	1.0	140	60	1000 ft.	Spool	11 lbs.
221	0462x2K	1/4	6.4	.125	3.1	.062	1.6	150	75	2000 ft.	Spool	30 lbs.
221	0562x15C	5/16	7.9	.188	4.8	.062	1.6	150	75	1500 ft.	Spool	30 lbs.
221	0662x500	3/8	9.5	.250	6.4	.062	1.6	125	50	500 ft.	Spool	13 lbs.
221	0662x1K	3/8	9.5	.250	6.4	.062	1.6	125	50	1000 ft.	Spool	25 lbs.
221	0862x500	1/2	12.7	.375	9.5	.062	1.6	100	35	500 ft.	Spool	18 lbs.
221	1062x500	5/8	15.9	.500	12.7	.062	1.6	75	25	500 ft.	Coil	23 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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**Kuri Tec®**

## A1730 Series Flexible FDA Polyethylene Hose

A flexible food grade hose for those applications in which a PVC hose may not be suitable.

### Construction:

- Tube - 82 Shore "A" polyethylene in compliance with FDA<sup>(04)</sup> and RoHS<sup>(16)</sup> requirements.
- Reinforcement – High tensile strength yarn.
- Cover - 68 Shore "A" flexible polyethylene cover in compliance with FDA<sup>(04)</sup> and RoHS<sup>(16)</sup> requirements.

### Features:

- Flexible non-chlorinated non-PVC hose.
- Can be incinerated without harmful emissions.
- Light weight.
- Phthalate Free!

### Applications:

- Applications involving radiation or other contaminants that require disposal of the hose after use.
- Food transfer.

Service Temperature Range: -60°F (-51°C) to +120°F (+49°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)	Full Coil	Cut Length	Full Coil	Cut Length
A1730	04	1/4	6.5	.460	11.7	150	75	500 ft.	100 ft.	22.5 lbs.	4.5 lbs.
A1730	06	3/8	9.5	.593	15.1	150	75	300 ft.	100 ft.	19.8 lbs.	6.6 lbs.
A1730	08	1/2	12.7	.740	18.8	150	75	300 ft.	100 ft.	17.3 lbs.	9.1 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(04)</sup>, PHTHALATE FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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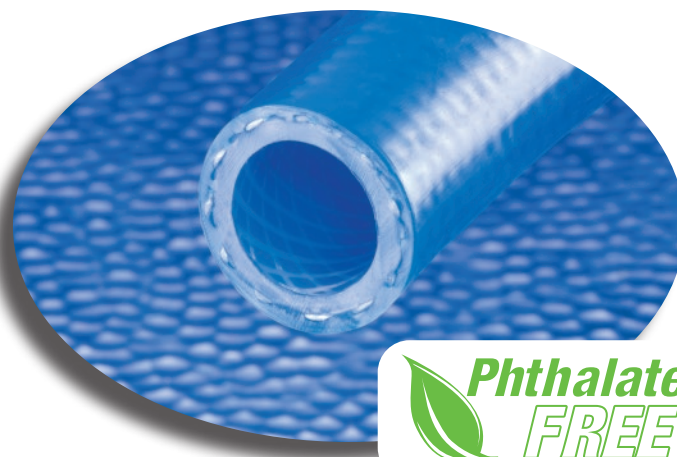
## A3236 Series High Purity LLDPE Water Hose



CERTIFIED UNDER  
STANDARD 51



Certified to  
NSF/ANSI 61 & 372



**Phthalate  
FREE**

A flexible, non-contaminating food grade hose that is ideal for use in food, beverage and water applications.

### Construction:

- Tube — Special co-extruded tube with the inner contact surface meeting applicable FDA<sup>(04)</sup>, NSF<sup>(12)</sup> and RoHS<sup>(16)</sup> requirements.
- Reinforcement — High tensile strength yarn.
- Cover — Blue EVA copolymer . . . complies with FDA<sup>(04)</sup> and RoHS<sup>(16)</sup> requirements.

### Features:

- Extremely light weight.
- Good resistance to U. V. and weather aging.
- Exceptionally low hydrocarbon extraction into water, as compared to the EPA MCL's (maximum contaminant levels) for drinking water.
- Extremely low hydrocarbon absorption from contaminated water samples.
- Excellent low temperature flexibility.

- Excellent chemical resistance.
- Silicone-free.
- One-piece lengths.
- Opaque jacket reduces tendency for algae growth in warm, sunny applications.
- Phthalate Free!

### Applications:

- Transfer of food, beverages and water.
- Transfer of deionized water.
- Water sampling.
- Water bottling equipment.
- Water transfer lines for semiconductor manufacturing, where applicable.
- Temporary residential water supply lines.
- Environmental clean-up applications involving water and chemicals.

Service Temperature Range: -10°F (-23°C) to +140°F (+60°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		
A3236	08	1/2	12.7	.750	19.1	200	100	300 ft.	33 lbs.
A3236	12	3/4	19.1	1.125	28.6	200	100	300 ft.	68 lbs.
A3236	16	1	25.4	1.375	34.9	150	75	200 ft.	59 lbs.

**Note:** ★ For applications requiring minimal stretch, this hose is also available with longitudinal cords by ordering Series A3246 . . . check with factory for minimum quantity requirements.

Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(04)</sup>, NSF<sup>(12)</sup>, PHTHALATE FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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CERTIFIED UNDER  
STANDARD 51

**Kuri Tec®**

## K6155, K6158 Series

### High Purity PVC Potable Water Hose



Certified to  
NSF/ANSI 61 & 372

A High Purity non-conductive NSF Certified, Phthalate Free hose with colored jacket which is ideal for potable water and deionized water transfer.

#### Construction:

- Tube — Clear Phthalate Free PVC compound, formulated in compliance with FDA<sup>(03)</sup> and NSF<sup>(12)</sup> criteria.
- Reinforcement — High tensile strength yarn.
- Cover — Phthalate Free PVC compound, available in two solid colors: K6155 – White and K6158 – Grey. Additional non-toxic colors (Red, Black, Blue, Green, Yellow and Purple) are available on a special order basis.

#### Features:

- Made with Phthalate Free PVC compounds certified under NSF-51/NSF-61.
- White or gray jacket to reduce tendency for algae growth and U. V. degradation in warm sunny applications.
- Non-marking cover.

- Non-perforated cover.
- Non-conductive compounds.
- Silicone-free.
- One-piece lengths.
- RoHS<sup>(16)</sup> compliant.
- Phthalate Free!

#### Applications:

- Transfer of potable water.
- Transfer of deionized water.
- Induction welding tubing lines.
- Temporary residential water supply lines.
- Water transfer lines for semiconductor manufacturing, where applicable.
- Applications requiring a non-conductive hose.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

Standard Stock Colors		Size Code	Nominal ID		Nominal OD		Maximum Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.
K6155 White	K6158 Grey		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
✓	✓	06	3/8	9.5	.594	15.1	225	125	300 ft.	27 lbs.
✓	✓	08	1/2	12.7	.750	19.1	200	100	300 ft.	40 lbs.
✓	✓	12	3/4	19.1	1.031	26.2	150	85	200 ft.	43 lbs.
✓	✓	16	1	25.4	1.300	33.0	125	75	200 ft.	59 lbs.
	✓	24	1 1/2	38.1	1.938	49.2	100	50	100 ft.	64 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(03)</sup>, NSF<sup>(12)</sup>, PHthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## K6136 Series

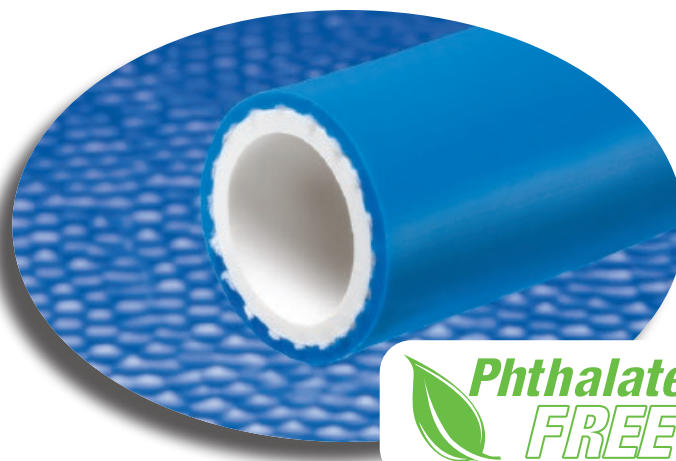
### High Purity Street to Home Potable Water Hose



CERTIFIED UNDER  
STANDARD 51



Certified to  
NSF/ANSI 61 & 372



A quality NSF Certified, Phthalate Free potable water hose specifically designed for temporary water supply and bypass applications.

#### Construction:

- Tube — Pure white Phthalate Free PVC compound, formulated in compliance with applicable FDA<sup>(03)</sup> and RoHS<sup>(16)</sup> requirements. . . meets NSF<sup>(12)</sup> criteria.
- Reinforcement — High tensile strength yarn, with longitudinal yarns to prevent elongation under pressure.
- Cover — Blue high quality Phthalate Free PVC compound, uniquely blended to provide excellent abrasion- and weather-resistance . . . blue color signifies pure water line.

#### Features:

- High purity NSF-61<sup>(12)</sup> certified tube material diminishes water quality concerns regarding surfaces which are contacted by potable water.
- Inner tube is less porous than the tube in commonly-used conventional rubber hoses, and is easier to flush and keep clean.
- Silicone-free.
- White inner tube and blue cover reduce tendency for algae growth in warm, sunny environments.

- Extremely light weight - 22 to 25% lighter than conventional rubber hose . . . helps to reduce worker fatigue.
- Hassle-free and easier to use . . . requires less installation time than rigid pipe.
- Strong and durable . . . ideal for construction site environments.
- Heavy duty construction limits kinking in the hot summer sun.
- Good abrasion resistance.
- Does not leave a bad taste or odor in the water, unlike conventional rubber hoses.
- Phthalate Free!

#### Applications:

- Transfer of potable water.
- Water purification systems.
- Temporary surface bypass potable water lines for municipal construction sites.
- Water sampling.

Service Temperature Range: -10°F (-23°C) to +150°F (+65°C)

#### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Reel	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		
K6136	12	3/4	19.1	1.125	28.6	250	110	500 ft.	168 lbs.
K6136	32	2	50.8	2.48	63.0	110	45	100 ft.	96 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

Note: Series K6136 is sold in Canada under the Pureflex® name.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(03)</sup>, NSF<sup>(12)</sup>, PHthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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**Kuri Tec®**

## K3280, K3285 Series

### NSF-61 Certified Reinforced PVC Flexible Connection Hose



A flexible, Phthalate Free non-contaminating NSF-61 certified hose that is ideal for use in drinking water applications.

#### Construction:

- Tube — Clear K3280 or white K3285 Phthalate Free tube compound is formulated in compliance with applicable FDA<sup>(03)</sup> regulations, certified under NSF<sup>(10)</sup> and RoHS<sup>(16)</sup> criteria.
- Reinforcement — High tensile strength multifilament polyester yarn.
- Cover — Clear Phthalate Free PVC compound formulated in compliance with applicable FDA<sup>(03)</sup> regulations, certified under NSF<sup>(11)</sup> criteria.

#### Features:

- Made with PVC Phthalate Free compounds certified under NSF-61.
- When coupled properly, hose will pass high temperature extreme test requirement of ASME<sup>(02)</sup> criteria.
- Closely-packed white polyester yarn design ensures minimal expansion of the hose while in service.
- Silicone-free.
- One-piece lengths (cut pieces also available).
- Phthalate Free!

#### Applications:

- Flexible water connectors.
- Transfer of potable water.
- Transfer of deionized water.
- Water transfer lines for semiconductor manufacturing, where applicable.

**Service Temperature Range:** +14°F (-10°C) to +140°F (+60°C) Domestic Hot and Cold Water

### Nominal Specifications

Series No.		Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.
K3280 Clear	K3285 White Tube		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 150°F (66°C)		
✓		04	.260	6.6	.440	11.1	180	125	500 ft.	28 lbs.
*	✓	05	.320	8.1	.485	12.3	180	125	500 ft.	29 lbs.
✓	✓	06	.380	9.7	.595	15.1	180	125	500 ft.	46 lbs.
✓	✓	08	.505	12.8	.740	18.8	180	125	500 ft.	64 lbs.

† **Note:** Working Pressure decreases as temperature increases. The pressure ratings of hose assemblies can be affected by the type of fitting used and the coupling procedure. We cannot be responsible for the suitability of the user's fittings or the coupling method used. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

\* **Note:** Non stock item.

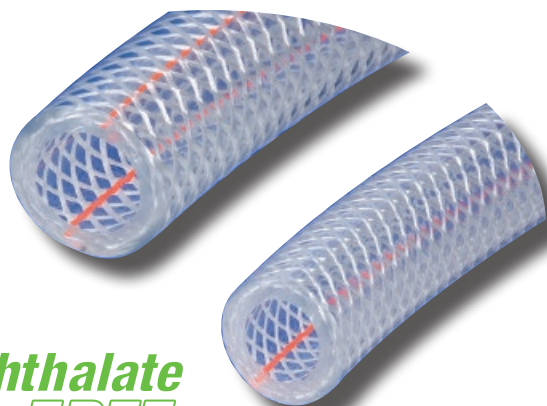
**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**ASME<sup>(02)</sup>, FDA<sup>(03)</sup>, NSF<sup>(11)</sup>, PHthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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**Kuri Tec®**

# CLEARBRAID® K3150 Series RF

## Standard Wall PVC Food & Beverage Hose



A lightweight standard wall crystal clear Phthalate Free yarn reinforced hose suitable for a wide variety of food and beverage applications.

### Construction:

Crystal clear Phthalate Free PVC compound, formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> requirements, meets USDA<sup>(18)</sup>, 3A<sup>(01)</sup>, NSF<sup>(13)</sup>, UL<sup>(17)</sup>, RoHS<sup>(16)</sup> and USP<sup>(19)</sup> Class VI criteria. Reinforced with spiraled polyester yarn and longitudinal orange tracer yarns for identification.

### Features:

- Constructed with Phthalate Free compounds.
- NSF-51 certified material.
- Crystal clear — allows visual confirmation of product flow.
- Longitudinally-reinforced to reduce elongation under pressure.

- Light weight.
- Self-extinguishing.
- Non-marking.
- Silicone-free.
- Non-conductive.
- One-piece lengths.
- Resistant to chemicals (see chemical-resistance chart).
- Compound hardness 73 ±3 Shore "A".
- Phthalate Free!

### Applications:

- Food & beverage dispensing.
- Deionized water.
- Liquid food products.
- Air and water lines.
- Powdered food products.
- Potable water transfer.
- Air breathing lines.
- Pneumatic lines.
- Packaging machines.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Lengths		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)	Full Coil	Cut Length	Full Coil	Cut Length
K3150	03	3/16	4.8	.375	9.5	250	150	300 ft.	100 ft.	13 lbs.	4 lbs.
K3150	04	1/4	6.5	.438	11.1	250	150	300 ft.	100 ft.	17 lbs.	6 lbs.
K3150	05	5/16	7.9	.531	13.5	250	135	300 ft.	100 ft.	24 lbs.	8 lbs.
K3150	06	3/8	9.5	.594	15.1	225	125	300 ft.	100 ft.	27 lbs.	9 lbs.
K3150	08	1/2	12.7	.750	19.1	200	100	300 ft.	100 ft.	40 lbs.	13 lbs.
K3150	10	5/8	15.9	.891	22.6	200	100	200 ft.	100 ft.	35 lbs.	18 lbs.
K3150	12	3/4	19.1	1.031	26.2	150	85	200 ft.	100 ft.	43 lbs.	22 lbs.
K3150	16	1	25.4	1.300	33.0	125	75	200 ft.	100 ft.	59 lbs.	30 lbs.
K3150	20	1 1/4	31.8	1.620	41.1	100	55	100 ft.	50 ft.	45 lbs.	23 lbs.
K3150	24	1 1/2	38.1	1.938	49.2	100	50	100 ft.	50 ft.	64 lbs.	32 lbs.
K3150	32	2	50.8	2.490	63.2	75	35	100 ft.	50 ft.	94 lbs.	47 lbs.
K3150	MM04	.157	4.0	.354	9.0	250	150	—	100 ft.	—	4 lbs.
K3150	MM06	.236	6.0	.433	11.0	250	150	—	100 ft.	—	6 lbs.
K3150	MM08	.315	8.0	.531	13.5	250	135	—	100 ft.	—	8 lbs.
K3150	MM10	.394	10.0	.630	16.0	225	125	—	100 ft.	—	10 lbs.
K3150	MM12	.472	12.0	.709	18.0	200	100	—	100 ft.	—	12 lbs.
K3150	MM19	.748	19.0	1.024	26.0	150	85	—	100 ft.	—	21 lbs.



† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

CLEARBRAID® is a registered trademark of Accuflex Industrial Hose, Ltd. and is used under license by Kuriyama of America, Inc.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, PHTHALATE FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>, UL<sup>(17)</sup>, USDA<sup>(18)</sup>, USP<sup>(19)</sup>**

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# Kuri Tec®

## CLEARBRAID® K3130 Series BF Heavy Wall PVC Food & Beverage Hose



**Phthalate  
FREE**

A heavier walled crystal clear Phthalate Free yarn reinforced hose suitable for a wide variety of food and beverage applications.

### Construction:

Crystal clear Phthalate Free PVC compound, formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> requirements, meets USDA<sup>(18)</sup>, 3A<sup>(01)</sup>, NSF<sup>(13)</sup>, UL<sup>(17)</sup>, RoHS<sup>(16)</sup> and USP<sup>(19)</sup> Class VI criteria. Reinforced with spiraled polyester yarn and longitudinal blue tracer yarns for identification.

### Features:

- Constructed with Phthalate Free compounds.
- NSF-51 certified material.
- Crystal clear — allows visual confirmation of product flow.
- Longitudinally-reinforced to reduce elongation under pressure.
- Light weight.
- Self-extinguishing.
- Non-marking.

- Silicone-free.
- Non-conductive.
- One-piece lengths.
- Resistant to chemicals (see chemical-resistance chart).
- Compound hardness 73 ±3 Shore "A".
- Phthalate Free!

### Applications:

- Food & beverage dispensing.
- Deionized water.
- Liquid food products.
- Air and water lines.
- Powdered food products.
- Potable water transfer.
- Air breathing lines.
- Pneumatic lines.
- Packaging machines.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Lengths		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)	Full Coil	Cut Length	Full Coil	Cut Length
K3130	02	1/8	3.2	.328	8.3	350	200	300 ft.	100 ft.	12 lbs.	4 lbs.
K3130	03	3/16	4.8	.406	10.3	350	200	300 ft.	100 ft.	17 lbs.	6 lbs.
K3130	04	1/4	6.5	.500	12.7	350	200	300 ft.	100 ft.	24 lbs.	8 lbs.
K3130	05	5/16	7.9	.563	14.3	275	160	300 ft.	100 ft.	28 lbs.	9 lbs.
K3130	06	3/8	9.5	.625	15.9	275	145	300 ft.	100 ft.	32 lbs.	11 lbs.
K3130	08	1/2	12.7	.813	20.7	250	130	300 ft.	100 ft.	52 lbs.	17 lbs.
K3130	10	5/8	15.9	1.000	25.4	225	125	200 ft.	100 ft.	52 lbs.	26 lbs.
K3130	12	3/4	19.1	1.125	28.6	200	120	200 ft.	100 ft.	60 lbs.	30 lbs.
K3130	16	1	25.4	1.375	34.9	150	85	200 ft.	100 ft.	76 lbs.	38 lbs.
K3130	20	1 1/4	31.8	1.750	44.5	125	75	100 ft.	50 ft.	64 lbs.	32 lbs.
K3130	24	1 1/2	38.1	2.000	50.8	100	65	100 ft.	50 ft.	75 lbs.	38 lbs.
K3130	32	2	50.8	2.500	63.5	75	55	100 ft.	50 ft.	96 lbs.	48 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

CLEARBRAID® is a registered trademark of Accuflex Industrial Hose, Ltd. and is used under license by Kuriyama of America, Inc.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, PHthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>, UL<sup>(17)</sup>, USDA<sup>(18)</sup>, USP<sup>(19)</sup>**

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**Kuri Tec®**

# THE CLEAR EVOLUTION!

- CRYSTAL CLEAR PHTHALATE FREE PVC • GLASS SMOOTH INTERIOR
- ABRASION RESISTANT • COMPLIES WITH - 3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, Phthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>, USDA<sup>(18)</sup>

## POLYWIRE® PLUS K7300 SERIES

- Wire Reinforced For Vacuum and Static Dissipation
- Yarn Reinforced For Pressure
- Kink Resistant for Tight Bends



**POLYWIRE® PLUS**  
**THE BEST OF BOTH DESIGNS**  
**IN ONE HOSE!**

POLYWIRE®  
K7130 Series  
Heavy Wall

- Helical Wire
- Full Vacuum
- Grounding Wire for Static Dissipation
- Kink Resistant Design

POLYSPRING®  
K7160 Series  
Standard Wall

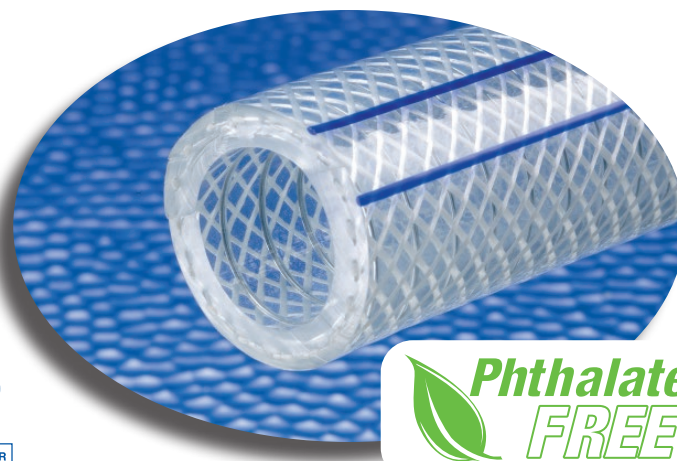
CLEARBRAID® K3130 Series  
Heavy Wall

CLEARBRAID®  
K3150 Series  
Standard Wall

- Yarn Reinforced for High Pressure Applications

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

## POLYWIRE® PLUS K7300 Series Hose Heavy Wall Wire-Yarn Reinforced Vacuum/ Pressure Hose



A unique crystal clear Phthalate Free PVC hose suitable for applications requiring a vacuum hose with higher pressure capability or as a pressure hose with vacuum capability.

### Construction:

- Crystal clear Phthalate Free PVC compound reinforced with high tensile yarns and helically-wound spring steel wire.
- The inner food contact surface is made with Phthalate Free PVC compound formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> requirements, meets USDA<sup>(18)</sup>, 3A<sup>(01)</sup>, NSF<sup>(13)</sup> and RoHS<sup>(16)</sup> criteria.

### Features:

- Wire helix reinforcement prevents kinking or collapsing... hose diameter will not expand under normal rated working pressures.
- 29.9" Hg vacuum rating @ 70°F.
- Electrogalvanized helical steel wire can be used for static dissipation (see below ††).
- Yarn reinforcement provides higher working pressure.
- Heavy duty construction prevents hose O.D. from expanding and I.D. from collapsing.

- Crystal clear – allows visual confirmation of product flow
- Glass-smooth interior – reduces material buildup.
- Inner contact surface material is NSF certified for food applications (standard 51). It also meets other criteria such as 3A and USDA.
- Resistant to chemicals (see chemical-resistance chart in Kuri Tec Catalog).
- Self-extinguishing.
- Non-marking.
- Silicone-free.
- Phthalate Free!

### Applications:

- Pressure and vacuum applications which require excellent kink resistance.
- Ideal for applications which require the hose to withstand both high vacuum and pressure.
- Water transfer.
- Liquid food transfer.

Service Temperature Range: +15°F (-9°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Maximum Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.	Min. Bend Radius @ 70°F
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)			
K7300	08	1/2	12.7	.906	23.0	250	125	25/50/100 ft.	6.5/13/26 lbs.	2"
K7300	12	3/4	19.1	1.196	30.4	225	112	25/50/100 ft.	10/20/40 lbs.	2 1/2"
K7300	16	1	25.4	1.464	37.2	225	112	25/50/100 ft.	13.3/26.5/53 lbs.	3 1/2"
K7300	20	1 1/4	31.8	1.780	45.2	175	87	25/50 ft.	18.5/37 lbs.	4 1/2"
K7300	24	1 1/2	38.1	2.030	51.6	175	87	25/50 ft.	21.5/43 lbs.	5 1/2"
K7300	32	2	50.8	2.600	66.0	150	75	25/50 ft.	32/64 lbs.	7"

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

†† Caution: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, PHTHALATE FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>, USDA<sup>(18)</sup>**

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BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.



Standard wall food and beverage grade vacuum/transfer hose with rated working pressures.

### Construction:

Crystal clear Phthalate Free PVC compound, formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> requirements, meets USDA<sup>(18)</sup>, 3A<sup>(01)</sup>, NSF<sup>(13)</sup>, UL<sup>(17)</sup>, USP<sup>(19)</sup> and RoHS<sup>(16)</sup> criteria. Reinforced with helically-wound spring steel wire.

### Features:

- 29.9" HG vacuum rating @ 70°F.
- Spiral wire reinforcement prevents kinking or collapsing . . . hose diameter will not expand under normal rated working pressures.
- Crystal clear — allows visual confirmation of product flow.
- Glass-smooth interior — reduces material buildup.
- Electrogalvanized helical steel wire can be used for static dissipation (see below†).
- Resistant to chemicals (see chemical-resistance chart).
- Self-extinguishing.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)



CERTIFIED UNDER  
STANDARD 51

# Kuri Tec®

## POLYSPRING® K7160 Series

### Standard Wall PVC Food & Beverage Vacuum/ Transfer Hose

- Non-marking.
- Silicone-free.
- One-piece lengths.
- Special cut piece lengths available through 1" ID size — check with factory.
- Phthalate Free!

### Applications:

- Full vacuum lines.
- Industrial vacuum pumps.
- Food & beverage dispensing.
- Air and water supply lines.
- Pneumatic parts transfer.
- Car wash applications.
- Coolant lines.
- Air breathing lines.
- Deionized water systems.

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Maximum Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.	Min. Bend Radius @ 70°F
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)			
K7160	04	1/4	6.4	.460	11.7	150	70	50/100 ft.	3.5/7 lbs.	1"
K7160	06	3/8	9.5	.600	15.2	100	70	50/100 ft.	5.5/11 lbs.	1 1/2"
K7160	08	1/2	12.7	.750	19.1	100	70	50/100 ft.	7.5/15 lbs.	2"
K7160	10	5/8	15.9	.891	22.6	100	50	50/100 ft.	9.5/19 lbs.	2 1/2"
K7160	12	3/4	19.1	1.031	26.2	70	50	50/100 ft.	12/24 lbs.	3"
K7160	16	1	25.4	1.297	32.9	70	35	50/100 ft.	16.5/33 lbs.	4"
K7160	20	1 1/4	31.8	1.609	40.9	70	35	50 ft.	25 lbs.	5"
K7160	24	1 1/2	38.1	1.860	47.2	50	30	50 ft.	29 lbs.	6"
K7160	32	2	50.8	2.391	60.7	50	30	50 ft.	42 lbs.	8"
K7160	36	2 1/4	57.2	2.750	69.9	50	30	50 ft.	58 lbs.	9"
K7160	40	2 1/2	63.5	3.000	76.2	50	30	50 ft.	69 lbs.	10"
K7160	48	3	76.2	3.500	88.9	50	30	25/50 ft.	40.5/81 lbs.	12"

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

‡ CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, PHTHALATE FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>, UL<sup>(17)</sup>, USDA<sup>(18)</sup>, USP<sup>(19)</sup>**

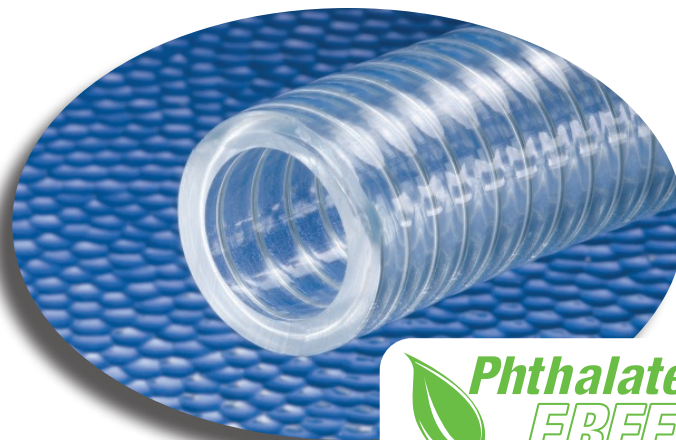
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# Kuri Tec®

## POLYWIRE® K7130 Series

### Heavy Wall PVC Food & Beverage Vacuum/ Transfer Hose



Heavy wall food and beverage grade Phthalate Free vacuum/transfer hose with rated working pressures.

#### Construction:

Crystal clear Phthalate Free PVC compound, formulated with ingredients in compliance with applicable FDA<sup>(03)</sup> requirements, meets USDA<sup>(18)</sup>, 3A<sup>(01)</sup>, NSF<sup>(13)</sup>, UL<sup>(17)</sup>, USP<sup>(19)</sup> and RoHS<sup>(16)</sup> criteria. Reinforced with helically-wound spring steel wire.

#### Features:

- 29.9" HG vacuum rating @ 70°F.
- Spiral wire reinforcement prevents kinking or collapsing . . . hose diameter will not expand under normal rated working pressures.
- Crystal clear — allows visual confirmation of product flow.
- Glass-smooth interior — reduces material buildup.
- Electrogalvanized helical steel wire can be used for static dissipation (see below†).
- Resistant to chemicals (see chemical-resistance chart).
- Compound hardness 73 ±3 Shore "A".

- Self-extinguishing.
- Non-marking.
- Silicone-free.
- One-piece lengths.
- Special cut piece lengths available through 1" ID size — check with factory.
- Phthalate Free!

#### Applications:

- Full vacuum lines.
- Industrial vacuum pumps.
- Food & beverage dispensing.
- Air and water supply lines.
- Car wash applications.
- Coolant lines.
- Air breathing lines.
- Pneumatic parts transfer.
- Deionized water systems.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Maximum Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.	Min. Bend Radius @ 70°F
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)			
K7130	04	1/4	6.4	.500	12.7	250	80	50/100 ft.	5/10 lbs.	1"
K7130	06	3/8	9.5	.625	15.9	150	80	50/100 ft.	6.5/13 lbs.	1 1/2"
K7130	08	1/2	12.7	.813	20.7	150	80	50/100 ft.	10.5/21 lbs.	2"
K7130	10	5/8	15.9	1.000	25.4	150	65	50/100 ft.	15/30 lbs.	2 1/2"
K7130	12	3/4	19.1	1.125	28.6	150	65	50/100 ft.	18/36 lbs.	3"
K7130	16	1	25.4	1.375	34.9	100	50	50/100 ft.	22/44 lbs.	4"
K7130	20	1 1/4	31.8	1.750	44.5	100	50	50 ft.	37 lbs.	5"
K7130	24	1 1/2	38.1	2.000	50.8	100	35	50 ft.	42 lbs.	6"
K7130	32	2	50.8	2.500	63.5	100	35	50 ft.	56 lbs.	8"

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fittings with Kuri Tec® yarn-reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

‡ CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**3A<sup>(01)</sup>, FDA<sup>(03)</sup>, NSF<sup>(13)</sup>, PHthalate FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>, UL<sup>(17)</sup>, USDA<sup>(18)</sup>, USP<sup>(19)</sup>**

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**ULTRA  
FLEXIBLE!**
**Kuri Tec®**

# PNEU-THANE™ K5090, K5094, K5096 Series

## Lightweight Reinforced Polyurethane Pneumatic Air Tool Hose



An extremely lightweight, tough, flexible pneumatic air tool hose that is suitable for a wide range of industrial and construction applications.

### Construction:

- Tube — Clear ether-based polyurethane.
- Reinforcement — High tensile strength yarn.
- Cover — Ether-based polyurethane, available in three colors: K5090 — Turquoise Tint, K5094 — Red, K5096 — Blue.

### Features:

- Very lightweight and flexible . . . helps to cut down on work-related injuries.
- Good flex fatigue and resilience characteristics.
- Excellent resistance to oils and solvents.
- High oil resistance, complies with ARPM's Class A Designation.
- Superior cut-resistance.
- High abrasion-resistance . . . provides extra long life compared with conventional PVC or rubber air hoses.

- Good resistance to hydrolysis and algae in warm water applications.
- Silicone-free core and cover.
- Non-conductive compounds.
- Non-marking cover.
- One-piece lengths.
- Individually shrink-wrapped assemblies are available, see page 39.
- RoHS<sup>(16)</sup> compliant.
- Phthalate Free!

### Applications:

- For use with pneumatic air tools such as roofing nailers, sanders, chippers, impact wrenches, screwdrivers and staplers.
- In-plant assembly line air service.
- Automotive repair and body shops.
- Construction sites.
- Marine applications.
- Air service for spray painting equipment.

Service Temperature Range: -40°F (-40°C) to +185°F (+85°C)

## Nominal Specifications

Standard Stock Colors		Size Code	Nominal ID		Nominal OD		Maximum Working Pressure† (PSI)		Standard Lengths		Approx. Wt. per Pkg.	
K5090 Aqua	K5094 Red K5096 Blue		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Reel	Coil/Box	500 ft.	100 ft.
✓	✓	04	1/4	6.5	.395	10.0	250	200	500 ft.	100 ft.	27 lbs.	4 lbs.
✓	✓	06	3/8	9.5	.560	14.2	250	200	500 ft.	100 ft.	47 lbs.	8 lbs.
✓	✓	08	1/2	12.5	.688	17.5	250	200	500 ft.	100 ft.	57 lbs.	10 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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# Kuri Tec®

## A1141, A1144, A1146, A1148 Series

### Special Purpose PVC/ Polyurethane Air Hose



**Phthalate  
FREE**

This special blended hose is ideal for general air and water applications that need to operate at higher temperatures than traditional PVC hoses.

#### Construction:

- Tube — Grey PVC/polyurethane alloy.
- Reinforcement — High tensile strength yarn.
- Cover — PVC/polyurethane alloy, available in four colors: A1141 — Yellow, A1144 — Red, A1146 — Blue, A1148 — Grey.

#### Features:

- Grey core tube has excellent cut resistance . . . complies with ARPM's Class A designation for high oil resistance.
- Highly abrasion-resistant alloy jacket.
- Smooth, non-marking pin-pricked cover.
- Good flexibility over a wide temperature range.
- Good fitting retention at elevated temperatures.

- Silicone-free materials.
- One-piece lengths.
- RoHS<sup>(16)</sup> compliant.
- Phthalate Free!

#### Applications:

- Transfer of air and water.
- Ideal for applications in rugged or higher temperature environments.
- Induction welding tubing lines.
- Injection molding coolant lines.
- Transfer of deionized water.
- Transfer of transmission and power steering fluids.
- Lubrication/air drop lines.
- Robotic and pneumatic air lines.
- Automotive assembly line air hoses.

**Note:** Not recommended for transfer of brake fluids.

**Service Temperature Range:** 0°F (-18°C) to +185°F (+85°C)

### Nominal Specifications

Standard Stock Colors		Size Code	Nominal ID		Nominal OD		Maximum Working Pressure† (PSI)		Standard Length Reels	Approx. Weight per Pkg.
A1144 Red	A1141 Yellow A1146 Blue A1148 Grey		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
✓	✓	04	1/4	6.5	.460	11.7	300	200	500 ft.	37 lbs.
*		05	5/16	8.0	.520	13.2	300	200	500 ft.	44 lbs.
✓	✓	06	3/8	9.5	.625	15.9	300	200	500 ft.	67 lbs.
✓	✓	08	1/2	12.7	.770	19.6	300	200	500 ft.	88 lbs.
*		10	5/8	15.9	.969	24.6	300	175	300 ft.	76 lbs.
✓	✓	12	3/4	19.0	1.060	26.9	300	150	300 ft.	79 lbs.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

\* **Note:** Series A1144 5/16" and 5/8" ID sizes are non stock items.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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**TUNDRA**  **AIR™**
**REVISED  
TEMPERATURE  
RANGE**
**Kuri Tec®**

# **TUNDRA-AIR®** **K1231, K1232, K1234,** **K1236 Series** **Air & Water Hose**


**ULTRA FLEXIBLE  
FOR INDOOR & OUTDOOR  
APPLICATIONS!**
**Phthalate  
FREE**

These hoses, made from specially formulated compounds of high grade PVC resin, are engineered to be tough and flexible at very low temperatures. The superior physical properties and design of the hose makes it outperform other general purpose PVC and rubber hoses in cold weather air tool applications.

## **Construction:**

- Tube — High grade low temperature PVC compound.
- Reinforcement — High tensile strength polyester yarn.
- Cover — High grade low temperature PVC compound, available in four colors: K1231 - Yellow, K1232 - Orange, K1234 - Red, K1236 - Blue.

## **Features:**

- Excellent low temperature flexibility.
- Extremely easy to handle, even in cold weather where other PVC hoses become stiff.
- Excellent abrasion resistance.
- Resilient material avoids permanent deformation caused by stresses.

- One-piece lengths.
- Medium oil resistance, complies with APRM's Class B designation
- Non-marking pin-pricked cover.
- Light weight.
- Silicone-free materials.
- RoHS<sup>(16)</sup> compliant.
- Individually shrink-wrapped assemblies are available, see page 39.
- Phthalate Free!

## **Applications:**

- Outdoor air and water hose for use in cold weather, where flexibility is required.
- Ideal for in-plant applications that require very easy handling in tight workspaces.
- In-plant freezer applications requiring air or water service.
- A versatile, lightweight multi-function hose for air, water, or mild chemical use.

Service Temperature Range: -65°F (-54°C) to +150°F (+65°C)

## **Nominal Specifications**

Standard Stock Colors				Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coils/Reels	Approx. Wt. per Pkg.		
K1231 Yellow	K1232 Orange	K1234 Red	K1236 Blue		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		100 ft.	300 ft.	500 ft.
✓		✓	✓	04	1/4	6.5	.500	12.7	300	160	100/500 ft.	8 lbs.		38 lbs.
✓		✓	✓	06	3/8	9.5	.625	15.9	300	160	100/500 ft.	10 lbs.		52 lbs.
✓		✓	✓	08	1/2	12.7	.781	19.8	300	160	100/500 ft.	15 lbs.		77 lbs.
★	✓	★	★	12	3/4	19.1	1.080	27.4	200	120	100/300 ft.	25 lbs.	74 lbs.	
★	✓	★	★	16	1	25.4	1.360	34.5	200	120	100/300 ft.	35 lbs.	104 lbs.	

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

★Note: Series K1231, K1234 and K1236 in 3/4" and 1" ID sizes are non stock items.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

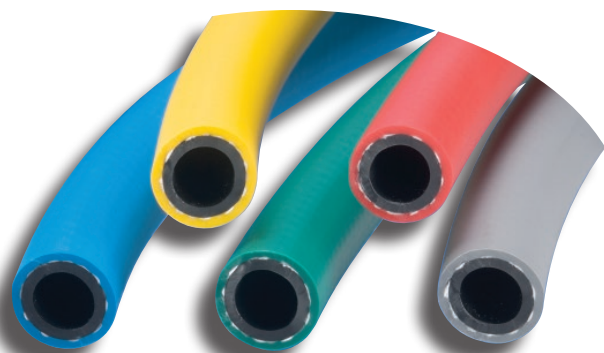
**PHthalate FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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## POLYAIR® K1131, K1134, K1136, K1137, K1138 Series

### Multi-Purpose Air & Water Hose



Our high quality flexible PVC compounds are uniquely blended to make this hose look and feel like comparable rubber hose and stay flexible at low temperatures. Its light weight makes it an ideal hose for air tool applications.

#### Construction:

- Tube — Black PVC compound.
- Reinforcement — Spiral polyester yarn with additional longitudinal yarns . . . reduces elongation under pressure.
- Cover — PVC compound in five colors: K1131 - Yellow, K1134 - Red, K1136 - Blue, K1137 - Green, K1138 - Grey.

#### Features:

- U. V. and weather resistant.
- Excellent cold weather flexibility.
- Easily re-coiled after use.
- Medium/high oil resistance, complies with ARPM's Class B Designation.

- Non-marking pin-pricked cover.
- Lightweight.
- One-piece lengths.
- Chemical resistance of PVC.
- Silicone-free materials.
- RoHS<sup>(16)</sup> compliant.
- Individually shrink-wrapped assemblies are available, see page 40.
- Phthalate Free!

#### Applications:

- Ideal for in-plant applications requiring color coding of hose supply lines.
- Transfer of air, water and mild water-soluble chemicals.
- Outdoor applications requiring a low temperature hose.
- General air supply line for pneumatic tools and paint spray systems.
- Low pressure spray hose for water-soluble chemicals.

Service Temperature Range: -40°F (-40°C) to +150°F (+65°C)

### Nominal Specifications

Standard Stock Colors			Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Lengths		Approx. Weight per Pkg.	
K1134 Red	K1131 Yellow K1136 Blue K1138 Grey	K1137 Green		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Reel	Coil	Reel	Coil
✓	✓		04	1/4	6.5	.500	12.7	300	180	500 ft.	100 ft.	44 lbs.	8 lbs.
✓	✓		05	5/16	8.0	.625	15.9	300	180	500 ft.	100 ft.	67 lbs.	13 lbs.
✓	✓	✓	06	3/8	9.5	.625	15.9	300	180	500 ft.	100 ft.	58 lbs.	11 lbs.
✓	✓		08	1/2	12.7	.813	20.7	300	180	500 ft.	100 ft.	93 lbs.	18 lbs.
✓	✓		10	5/8	15.9	.906	23.0	250	125	300 ft.	100 ft.	64 lbs.	19 lbs.
✓	✓		12	3/4	19.0	1.125	28.6	250	100	300 ft.	100 ft.	96 lbs.	30 lbs.
✓	✓		16	1	25.4	1.406	35.7	250	100	300 ft.	100 ft.	130 lbs.	41 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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## K1154, K1156 Series

### General Purpose PVC Air & Water Hose



A general purpose PVC air and water hose for in plant and outdoor applications in temperate climate conditions.

#### Construction:

- Tube — Black PVC compound.
- Reinforcement — High tensile strength yarn.
- Cover — PVC compound, available in two colors:  
K1154 – Red and K1156 – Blue.

#### Features:

- Economical, flexible and lightweight.
- Excellent abrasion resistance.
- U. V. and weather resistant.
- Non-marking pin-pricked cover.

- Silicone-free materials.
- Complies with RMA's Class B designation for medium/high oil resistance.
- One piece lengths.
- Phthalate Free!

#### Applications:

- Transfer of air, water and mild water soluble chemicals.
- Ideal for in-plant applications that require an economical general purpose hose.
- Excellent air supply line for pneumatic tools and paint spray systems.

Service Temperature Range: +14°F (-10°C) to +150°F (+65°C)

### Nominal Specifications

Series No.		Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
K1154 Red	K1156 Blue		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Reel	Coil	Reel	Coil
✓	✓	04	1/4	6.4	.500	12.7	300	150	500 ft.	100 ft.	44 lbs.	8 lbs.
✓	★	05	5/16	7.9	.625	15.9	300	150	500 ft.	100 ft.	68 lbs.	13 lbs.
✓	✓	06	3/8	9.5	.625	15.9	300	150	500 ft.	100 ft.	56 lbs.	11 lbs.
✓	✓	08	1/2	12.7	.750	19.1	300	150	500 ft.	100 ft.	70 lbs.	14 lbs.
✓	✓	10	5/8	15.9	.895	22.6	200	100	300 ft.	100 ft.	60 lbs.	18 lbs.
✓	✓	12	3/4	19.1	1.030	26.2	200	75	300 ft.	100 ft.	72 lbs.	22 lbs.
✓	✓	16	1	25.4	1.313	33.3	150	75	300 ft.	100 ft.	105 lbs.	31 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

★ Note: Series K1156 5/16" ID size is a non stock item.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>**

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## K1171, K1173, K1174, K1176 Series

### General Service PVC Air & Water Hose



A general service PVC air and water hose for indoor or outdoor applications requiring a lightweight hose that can operate at lower temperatures.

#### Construction:

- Tube — Black PVC compound.
- Reinforcement — High tensile strength yarn.
- Cover — PVC compound, available in four colors: K1171 – Yellow, K1173 – Black, K1174 – Red, K1176 – Blue.

#### Features:

- Economical, lightweight, low temperature alternative to rubber hose.
- Excellent abrasion resistance.
- U. V. and weather resistant.
- Non-marking pin-pricked cover.

- Complies with RMA's Class B designation for medium/high oil resistance.
- One piece lengths.
- Formulated for low temperature flexibility.
- Individually shrink-wrapped assemblies are available, see page 41.
- Phthalate Free!

#### Applications:

- Transfer of air, water and mild water soluble chemicals.
- Ideal for in-plant and outdoor applications that require an economical general purpose hose.
- Excellent air supply line for pneumatic tools and paint spray systems.

Service Temperature Range: -15°F (-26°C) to +150°F (+65°C)

### Nominal Specifications

Standard Stock Colors				Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.
K1171 Yellow	K1173 Black	K1174 Red	K1176 Blue		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		
✓	✓	✓	✓	04	1/4	6.5	.475	12.1	300	150	500 ft.	36 lbs.
✓	✓	✓	✓	06	3/8	9.5	.600	15.2	300	150	500 ft.	48 lbs.
✓	✓	✓	✓	08	1/2	12.7	.750	19.1	300	150	300 ft.	42 lbs.
		✓	✓	10	5/8	15.9	.860	21.8	250	125	300 ft.	46 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>**

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**Kuri Tec®**

# K1181, K1184, K1186 Series

## Utility Grade PVC Air Hose

A lightweight utility air and water hose economically designed for indoor and outdoor applications operating in temperate climate conditions.

### Construction:

- Tube — Black PVC compound.
- Reinforcement — High tensile strength yarn.
- Cover — PVC compound, available in three colors: K1181 — Yellow, K1184 — Red, K1186 — Blue.

### Features:

- Economical, lightweight construction.
- U. V. and weather resistant.
- One-piece coils.
- Individually shrink-wrapped assemblies are available, see page 41.
- Phthalate Free!

### Applications:

- Transfer of air, water and mild water soluble chemicals.
- Indoor/outdoor air tool service.

Service Temperature Range: +14°F (-10°C) to +150°F (+65°C)

## Nominal Specifications

Standard Stock Colors			Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI) @ 70° F (20° C)	Standard Length Coils	Approx. Wt. per Coil (lbs)
K1181 Yellow	K1184 Red	K1186 Blue		(in)	(mm)	(in)	(mm)			
✓	✓	✓	04	1/4	6.5	.475	12.1	300	500 ft.	35.0
✓	✓	✓	06	3/8	9.5	.600	15.2	300	500 ft.	47.5

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

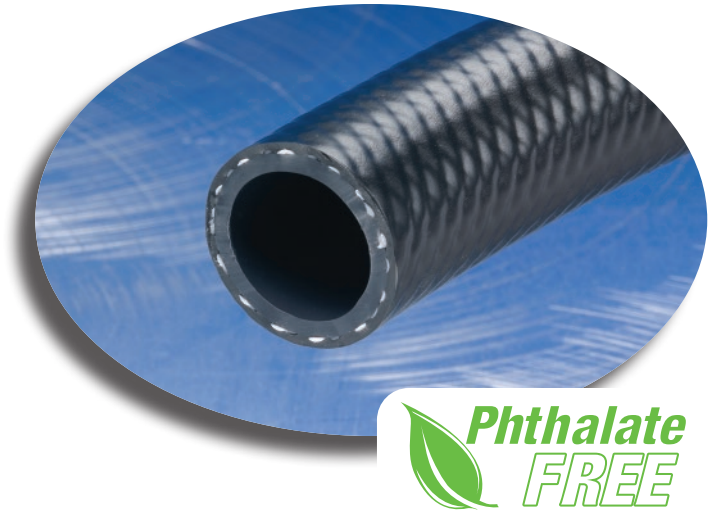
NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>**

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## K2163 Series Contractor PVC Water Hose



A heavy duty PVC water hose suitable for general industrial water and construction applications.

### Construction:

- Tube: Black PVC compound.
- Reinforcement: High tensile strength yarn.
- Cover: Black PVC weather resistant compound.

### Features:

- Cost effective.
- Lightweight.
- Higher working and burst pressures.
- Weather resistant PVC cover.

- Silicone-free.
- One-piece lengths.
- Individually shrink-wrapped assemblies are available, see page 42.
- Phthalate Free!

### Applications:

- Construction water transfer.
- Heavy duty industrial and commercial watering.
- Irrigation supply lines.
- Municipal maintenance watering.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		
K2163	12	3/4	19.1	1.030	26.2	150	75	300 ft.	65 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

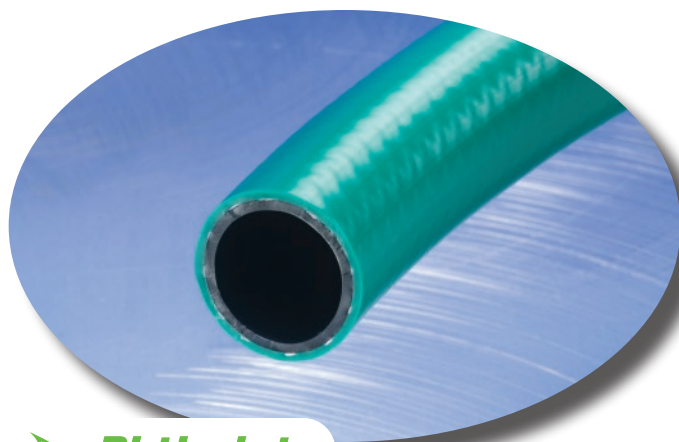
NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Kuri Tec®**



## A1307 Series Standard Duty Reinforced PVC Water Hose



An all-purpose PVC hose for light duty industrial watering applications.

### Construction:

- Tube — Smooth black PVC compound.
- Reinforcement — High tensile strength yarn.
- Cover — Smooth opaque green PVC compound.

### Features:

- Economical.
- Lightweight and easy to handle.
- Good resistance to weather aging, ozone and ultraviolet light.
- Silicone-free.
- One-piece lengths.
- Phthalate Free!

### Applications:

- Light duty industrial watering.
- Lawn and garden watering.
- Nursery water supply lines.
- Light duty commercial washdown.

**Service Temperature Range:** +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		
A1307	10	5/8	15.9	.817	20.8	125	50	300 ft.	40 lbs.
A1307	12	3/4	19.1	.972	24.7	100	40	300 ft.	53 lbs.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

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## A1317 Series Heavy Duty Reinforced PVC Water Hose

**SUPERIOR  
DURABILITY!**

**Phthalate  
FREE**

An all-purpose heavy duty PVC hose that's ideal for golf courses, parks and construction projects.

### Construction:

- Tube — Smooth black PVC compound.
- Reinforcement — High tensile strength yarn.
- Cover — Smooth transparent green PVC compound.

### Features:

- Higher working and burst pressures.
- Abrasion-resistant cover.
- Good resistance to weather aging.
- Silicone-free.

- One-piece lengths.
- Individually shrink-wrapped assemblies are available, see page 42.
- Phthalate Free!

### Applications:

- Golf course water lines.
- Heavy duty commercial and construction use.
- Municipal maintenance and park departments.
- Irrigation supply lines.
- Heavy duty washdown.

Service Temperature Range: +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		
A1317	12	3/4	19.1	1.025	26.0	125	50	300 ft.	65 lbs.
A1317	16	1	25.4	1.297	32.9	125	50	200 ft./300 ft.	60 lbs./90 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

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**Kuri Tec®**

## HSC2840, HSC2841, HSC2844, HSC2846 Series



### Ether-Based Polyurethane Self-Store Coiled Tubing Assemblies for Air Tool Service

- Standard assemblies have 4" pigtail and 20" whip end.
- Permanent crimped male swivel brass fittings provide greater strength and pull-out resistance . . . rubber bend restrictors over fittings prevents scratches and scuffs. **Note:** Not recommended for transfer of brake fluids.

**Note:** Hose assemblies are furnished with the following fittings: 1/4" ID - 1/4" x 1/4" M NPT, 3/8" ID - 3/8" x 1/4" M NPT.

**Service Temperature Range:** -40°F (-40°C) to +175°F (+80°C)

#### Nominal Specifications

Series No. HSC2840 Blue Tint HSC2841 Yellow HSC2844 Red HSC2846 Blue	Size Code x Length	Nominal ID		Nominal OD		Maximum Working Pressure† (PSI)		Working Length (ft.)	Coil OD (In)	Standard Package	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)				
✓	04 x 10	1/4	6.5	.375	9.5	125	75	8	2	10	5 lbs.
✓	04 x 15	1/4	6.5	.375	9.5	125	75	12	2	10	6.5 lbs.
✓	04 x 20	1/4	6.5	.375	9.5	125	75	16	2	10	8.5 lbs.
✓	04 x 25	1/4	6.5	.375	9.5	125	75	20	2	10	10 lbs.
✓	04 x 30	1/4	6.5	.375	9.5	125	75	24	2	10	12 lbs.
✓	04 x 50	1/4	6.5	.375	9.5	125	75	40	2	1	2 lbs.
✓	06 x 10	3/8	9.5	.570	14.5	125	75	8	3	5	5 lbs.
✓	06 x 15	3/8	9.5	.570	14.5	125	75	12	3	5	7 lbs.
✓	06 x 20	3/8	9.5	.570	14.5	125	75	16	3	5	9 lbs.
✓	06 x 25	3/8	9.5	.570	14.5	125	75	20	3	5	11 lbs.
✓	06 x 30	3/8	9.5	.570	14.5	125	75	24	3	5	12 lbs.
✓	06 x 50	3/8	9.5	.570	14.5	125	75	40	3	1	4 lbs.



## HSC2960 Series Polyurethane Self-Store Reinforced Hose Assembly

**Note:** Each length of assembled tubing or hose includes a 4" pigtail and a 20" whip end, assembled to 1/4" or optional 3/8" (priced upon request) male NPT permanent crimped swivel brass fittings with rubber bend restrictors. Working length is 80% of nominal length shown. 5/16" & 1/2" ID size tubing is priced upon request. Check for availability.

**Service Temperature Range:** -40°F (-40°C) to +185°F (+85°C)

#### Nominal Specifications

Series No. HSC2960 Aqua Tint	Size Code x Length	Nominal ID		Nominal OD		Maximum Working Pressure† (PSI)		Working Length (ft.)	Coil OD (In)	Standard Package	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)				
✓	04 x 15	1/4	6.5	.395	9.5	225	125	12	2	10	6.5 lbs.
✓	04 x 25	1/4	6.5	.395	9.5	225	125	20	2	10	10 lbs.
✓	04 x 50	1/4	6.5	.395	9.5	225	125	40	2	1	2 lbs.
✓	06 x 15	3/8	9.5	.570	14.5	225	125	12	3	5	7 lbs.
✓	06 x 25	3/8	9.5	.570	14.5	225	125	20	3	5	11 lbs.
✓	06 x 50	3/8	9.5	.570	14.5	225	125	40	3	1	4 lbs.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. **Note:** Refer to page 13 for Technical Information.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

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# Kuri Tec®

## PNEU-THANE™ HS5090, HS5094, HS5096 Series

### Lightweight Reinforced Polyurethane Pneumatic Air Tool Hose Assemblies (with Rubber Bend Restrictors)

Service Temperature Range: -40°F (-40°C) to +185°F (+85°C)

#### Nominal Specifications

Standard Stock Colors		Size Code	Nominal ID		Nominal OD		Maximum Working Pressure† (PSI)		Assembled Lengths	Approx. Wt. per Pkg.		
HS5090 Aqua	HS5094 Red HS5096 Blue		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		25 ft.	50 ft.	100 ft.
✓	✓	04	1/4	6.5	.395	10.0	250	200	25/50/100 ft.	1 lbs.	2 lbs.	4 lbs.
✓	✓	06	3/8	9.5	.560	14.2	250	200	25/50/100 ft.	1.5 lbs.	3 lbs.	6 lbs.

**Note:** Hose assemblies are furnished with the following fittings: 1/4" ID – 1/4" X 1/4" M NPT, 3/8" ID – 3/8" X 1/4" M NPT.

**Note:** Refer to page 28 for Technical Information.

## TUNDRA-AIR® HS1231, HS1234, HS1236 Series

### High Grade Low Temperature Air Hose Assemblies (with Rubber Bend Restrictors)

1/4" and 3/8" sizes only.

Service Temperature Range: -65°F (-54°C) to +150°F (+65°C)

#### Nominal Specifications

Standard Stock Colors			Size Code	Nominal ID		Nominal OD		Maximum Working Pressure† (PSI)		Assembled Lengths	Approx. Wt. per Pkg.		
HS1231 Yellow	HS1234 Red	HS1236 Blue		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		25 ft.	50 ft.	100 ft.
✓	✓	✓	04	1/4	6.5	.500	12.7	300	160	25/50/100 ft.	2.0 lbs.	4.0 lbs.	7.8 lbs.
✓	✓	✓	06	3/8	9.5	.625	15.9	300	160	25/50/100 ft.	2.8 lbs.	5.5 lbs.	10.7 lbs.
✓	✓	✓	08	1/2	12.7	.781	19.8	300	160	25/50/100 ft.	4.1 lbs.	8.1 lbs.	16.0 lbs.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** Hose assemblies are furnished with the following fittings: 1/4" ID – 1/4" X 1/4" M NPT, 3/8" ID – 3/8" X 1/4" M NPT, 1/2" ID – 1/2" X 3/8" M NPT.

**Note:** Refer to page 30 for Technical Information.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

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TUNDRA-AIR™



REVISED  
TEMPERATURE  
RANGE



**Kuri Tec®**

**POLYAIR®**

**HS1131, HS1134,  
HS1136, HS1138 Series**

**Multi-Purpose Air Hose  
Assemblies**

- Colors — HS1131 - Yellow, HS1134 - Red, HS1136 - Blue and HS1138 - Grey.
- Packaging — Assemblies are shrink wrapped and labeled.

**Service Temperature Range:** -40°F (-40°C) to +150°F (+65°C)

**Nominal Specifications**

Part Number	ID	OD	Std. Length Coils	Approx. Wt. pere Pkg. (lbs.)	Part Number	ID	OD	Std. Length Coils	Approx. Wt. per Pkg. (lbs.)
HS1131-04X25	1/4"	.500"	25ft.	2.2	HS1134F-16X25	1"	1.406"	25ft.	10.3
HS1131-04X50	1/4"	.500"	50ft.	4.4	HS1134F-16X50	1"	1.406"	50ft.	20.5
HS1131-04X100	1/4"	.500"	100ft.	8.8	HS1134F-16X100	1"	1.406"	100ft.	41.0
HS1131-06X25	3/8"	.625"	25ft.	2.9	HS1136-04X25	1/4"	.500"	25ft.	2.2
HS1131-06X50	3/8"	.625"	50ft.	5.8	HS1136-04X50	1/4"	.500"	50ft.	4.4
HS1131-06X100	3/8"	.625"	100ft.	11.6	HS1136-04X100	1/4"	.500"	100ft.	8.8
HS1131D-08X25	1/2"	.813"	25ft.	4.5	HS1136-06X25	3/8"	.625"	25ft.	2.9
HS1131D-08X50	1/2"	.813"	50ft.	9.0	HS1136-06X50	3/8"	.625"	50ft.	5.8
HS1131D-08X100	1/2"	.813"	100ft.	18.0	HS1136-06X100	3/8"	.625"	100ft.	11.6
HS1131E-12X25	3/4"	1.125"	25ft.	7.5	HS1136D-08X25	1/2"	.813"	25ft.	4.5
HS1131E-12X50	3/4"	1.125"	50ft.	15.0	HS1136D-08X50	1/2"	.813"	50ft.	9.0
HS1131E-12X100	3/4"	1.125"	100ft.	30.0	HS1136D-08X100	1/2"	.813"	100ft.	18.0
HS1131F-16X25	1"	1.406"	25ft.	10.3	HS1136E-12X25	3/4"	1.125"	25ft.	7.5
HS1131F-16X50	1"	1.406"	50ft.	20.5	HS1136E-12X50	3/4"	1.125"	50ft.	15.0
HS1131F-16X100	1"	1.406"	100ft.	41.0	HS1136E-12X100	3/4"	1.125"	100ft.	30.0
HS1134-04X25	1/4"	.500"	25ft.	2.2	HS1136F-16X25	1"	1.406"	25ft.	10.3
HS1134-04X50	1/4"	.500"	50ft.	4.4	HS1136F-16X50	1"	1.406"	50ft.	20.5
HS1134-04X100	1/4"	.500"	100ft.	8.8	HS1136F-16X100	1"	1.406"	100ft.	41.0
HS1134-05X25	5/16"	.625"	25ft.	3.3	HS1138-04X25	1/4"	.500"	25ft.	2.2
HS1134-05X50	5/16"	.625"	50ft.	6.5	HS1138-04X50	1/4"	.500"	50ft.	4.4
HS1134-05X100	5/16"	.625"	100ft.	13.0	HS1138-04X100	1/4"	.500"	100ft.	8.8
HS1134-06X25	3/8"	.625"	25ft.	2.9	HS1138-06X25	3/8"	.625"	25ft.	2.9
HS1134-06X50	3/8"	.625"	50ft.	5.8	HS1138-06X50	3/8"	.625"	50ft.	5.8
HS1134-06X100	3/8"	.625"	100ft.	11.6	HS1138-06X100	3/8"	.625"	100ft.	11.6
HS1134D-08X25	1/2"	.813"	25ft.	4.5	HS1138D-08X25	1/2"	.813"	25ft.	4.5
HS1134D-08X50	1/2"	.813"	50ft.	9.0	HS1138D-08X50	1/2"	.813"	50ft.	9.0
HS1134D-08X100	1/2"	.813"	100ft.	18.0	HS1138D-08X100	1/2"	.813"	100ft.	18.0
HS1134E-10X25	5/8"	.906"	25ft.	4.8	HS1138E-12X25	3/4"	1.125"	25ft.	7.5
HS1134E-10X50	5/8"	.906"	50ft.	9.5	HS1138E-12X50	3/4"	1.125"	50ft.	15.0
HS1134E-10X100	5/8"	.906"	100ft.	19.0	HS1138E-12X100	3/4"	1.125"	100ft.	30.0
HS1134E-12X25	3/4"	1.125"	25ft.	7.5					
HS1134E-12X50	3/4"	1.125"	50ft.	15.0					
HS1134E-12X100	3/4"	1.125"	100ft.	30.0					

**Note:** Hose assemblies are furnished with the following fittings: 1/4" ID – 1/4" X 1/4" M NPT, 5/16" ID – 5/16" X 1/4" M NPT, 3/8" ID – 3/8" X 1/4" M NPT, 1/2" ID – 1/2" X 1/2" M NPT, 5/8" ID – 5/8" X 3/4" M NPT, 3/4" ID – 3/4" X 3/4" M NPT, 1" ID – 1" X 1" M NPT.

**Note:** Refer to page 31 for Technical Information.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

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## HS1171, HS1174, HS1176 Series

### General Service PVC Pneumatic Air Tool Hose Assemblies



Service Temperature Range: -15°F (-26°C) to +150°F (+65°C)

#### Nominal Specifications

Standard Stock Colors			Size Code	Nominal ID		Nominal OD		Maximum Working Pressure† (PSI)		Assembled Lengths	Approx. Wt. per Pkg.		
HS1171 Yellow	HS1174 Red	HS1176 Blue		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		25 ft.	50 ft.	100 ft.
✓	✓	✓	04	1/4	6.5	.475	12.1	300	150	25/50/100 ft.	1.9 lbs.	3.7 lbs.	7.4 lbs.
✓	✓	✓	06	3/8	9.5	.600	15.2	300	150	25/50/100 ft.	2.6 lbs.	5.1 lbs.	10.2 lbs.
✓	✓	✓	08	1/2	12.7	.750	19.1	300	150	25/50/100 ft.	3.5 lbs.	7.0 lbs.	14.0 lbs.

**Note:** Hose assemblies are furnished with the following fittings: 1/4" ID – 1/4" X 1/4" M NPT, 3/8" ID – 3/8" X 1/4" M NPT, 1/2" ID – 1/2" X 3/8" M NPT.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** Refer to page 33 for Technical Information.

## HS1181, HS1184, HS1186 Series

### Utility-Grade PVC Air Tool Hose Assemblies



Service Temperature Range: +14°F (-10°C) to +150°F (+65°C)

#### Nominal Specifications

Standard Stock Colors			Size Code	Nominal ID		Nominal OD		Maximum Working Pressure† (PSI) @70°F (20°C)	Assembled Lengths	Approx. Wt. per Pkg.		
HS1181 Yellow	HS1184 Red	HS1186 Blue		(In)	(mm)	(In)	(mm)			25 ft.	50 ft.	100 ft.
✓	✓	✓	04	1/4	6.5	.475	12.1	300	25/50/100 ft.	1.9 lbs.	3.7 lbs.	7.4 lbs.
✓	✓	✓	06	3/8	9.5	.600	15.2	300	25/50/100 ft.	2.6 lbs.	5.1 lbs.	10.2 lbs.

**Note:** Hose assemblies are furnished with the following fittings: 1/4" ID – 1/4" X 1/4" M NPT, 3/8" ID – 3/8" X 1/4" M NPT.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** Refer to page 34 for Technical Information.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

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**Kuri Tec®**

## HS1317 Series Heavy Duty Reinforced Green PVC Water Hose Assemblies

**Service Temperature Range:** +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Assembled Lengths	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		
HS1317	12	3/4	19.1	1.025	26.0	125	50	50/100 ft.	11 lbs./22 lbs.
HS1317	16	1	25.4	1.297	32.9	125	50	50/100 ft.	15 lbs./30 lbs.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** 3/4" Hose assemblies are furnished with heavy-duty Brass GHT, 3/4" M x F fittings. 1" hose assemblies are furnished with 1" NPS pipe thread fittings.

**Note:** Refer to page 37 for Technical Information.



## HS2163HDW Series Black Contractors PVC Water Hose Assemblies

**Service Temperature Range:** +25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Assembled Lengths	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		
HS2163HDW	12	3/4	19.1	1.030	26.2	150	75	50 ft.	12 lbs.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** Hose assemblies are furnished with heavy-duty Brass GHT, 3/4" M x F fittings.

**Note:** Refer to page 35 for Technical Information.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

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## Kuri Tec IPOP Display

# Hose assembly display problem?

# We've got a solution for **YOU!**

This new Industrial Point-of-Purchase Display Rack from Kuri Tec® provides an efficient way to organize and promote Kuri Tec® air hose assembly products to your customers. Its compact size (54" high x 16 1/2" wide x 22 1/2" deep) will fit into the smallest counter sales or showroom area.

Even better, it's free, with a qualifying order of Kuri Tec® air hose assemblies. You can choose from any of these popular air hose assemblies:

- Series HS5090, 5094, 5096 Series Pneu-Thane™ Polyurethane air hose assemblies.
- Series HSC2840, 2841, 2844, 2846, & HSC2950 Polyurethane self-store assemblies (display hooks provided with initial order).
- Series HS1231, 1234 and 1236 Tundra-Air® Low Temperature PVC air hose.
- Series HS1131, 1134, 1136, 1138 Polyair® PVC air hoses.
- Series HS1171, 1173, 1174, 1176 General Service PVC air hoses.
- Series HS1181, 1184, 1186 Utility-Grade PVC air hoses.

Please note: This display rack is intended for the display and sales of authorized Kuri Tec® products only!

To get your free display rack, contact your Kuriyama sales representative or stocking warehouse.



Kuri Tec® Industrial Point-of-Purchase Rack

Kuri Tec® Industrial Point-of-Purchase Rack with self-store assemblies on display hooks.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Kuri Tec®**

## A4143 Series Medium Pressure Paint Fluid Transfer Hose



Lightweight polyethylene-lined rubber blend hose that is the ideal choice for handling paint and paint-related products in a variety of applications.

### Construction:

- Tube — Co-extruded blue LLDPE/rubber blend.
- Reinforcement — High tensile strength yarn.
- Cover — Black rubber blend compound; Branded “Paint Fluid”.

### Features:

- Excellent resistance to paint fluids, lacquers and solvents . . . see chemical resistance chart, referring to both core and cover materials, on Page 66.
- Excellent flexibility.
- Lightweight.
- Silicone-free.

- One-piece lengths.
- Compatible with popular spray fittings, such as Binks and DeVilbiss.
- Excellent cold weather properties.
- RoHS<sup>(16)</sup> compliant.
- Phthalate Free!

### Applications:

- Lower pressure transfer of enamels, lacquers and other finishes.
- Robotic paint spraying equipment.
- Manual paint spraying.
- Spraying of automobile “rustproofing” fluids.
- Low temperature transfer of chemicals.

Service Temperature Range: -40°F (-40°C) to +125°F (+52°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Reel	Coil	Reel	Coil
A4143	04	1/4	6.5	.500	12.7	175	85	500 ft.	100 ft.	36 lbs.	7 lbs.
A4143	06	3/8	9.5	.690	17.3	175	85	500 ft.	100 ft.	60 lbs.	12 lbs.
A4143	08	1/2	12.7	.875	22.2	175	85	500 ft.	100 ft.	93 lbs.	18 lbs.
A4143	12	3/4	19.0	1.188	30.2	150	75	—	300/100 ft.	—	85/28 lbs.
A4143	16	1	25.4	1.500	38.1	125	60	—	200/100 ft.	—	86/43 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Compatible with popular spray fittings, such as Binks and DeVilbiss.

**CAUTION: NOT FOR USE WITH HOT PAINT. DO NOT EXCEED TEMPERATURE OF 125°F (+52°C).**  
**WARNING: IMMERSION OF THE HOSE IN SOLVENTS FOR AN EXTENDED PERIOD OF TIME IS NOT RECOMMENDED DUE TO POTENTIAL SWELLING OF THE HOSE JACKET.**

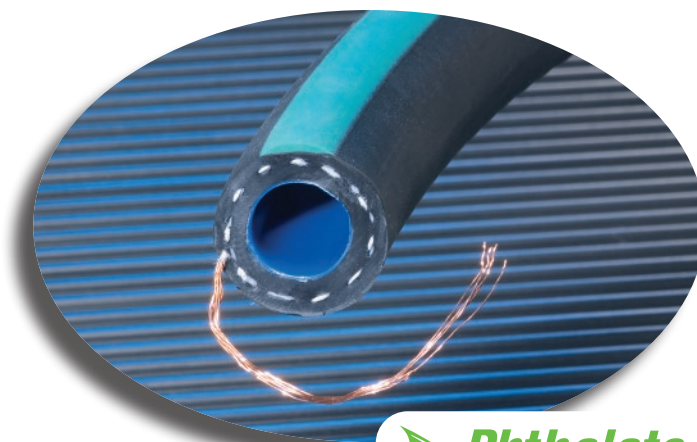
NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.

## A4143S Series (with Static Wire) Medium Pressure Paint Fluid Transfer Hose



Lightweight polyethylene-lined rubber blend hose that is the ideal choice for handling paint and paint-related products in a variety of applications.

### Construction:

- Tube — Co-extruded blue LLDPE/rubber blend.
- Static wire — Embedded copper wire for static conductivity (see note below).‡
- Reinforcement — High tensile strength yarn.
- Cover — Black rubber blend compound; Branded "Paint Fluid".

### Features:

- Excellent resistance to paint fluids, lacquers and solvents... see chemical resistance chart, referring to both core and cover materials, on Page 66.
- Excellent flexibility.
- Lightweight.

- Silicone-free.
- One-piece lengths.
- Compatible with popular spray fittings, such as Binks and DeVilbiss.
- Excellent cold weather properties.
- Static conductivity.
- RoHS<sup>(16)</sup> compliant.
- Phthalate Free!

### Applications:

- Lower pressure transfer of enamels, lacquers and other finishes.
- Robotic paint spraying equipment.
- Manual paint spraying.
- Spraying of automobile "rustproofing" fluids.
- Low temperature transfer of chemicals.

Service Temperature Range: -40°F (-40°C) to +125°F (+52°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)	Reel	Coil	Reel	Coil
A4143S	04	1/4	6.5	.500	12.7	175	85	500 ft.	100 ft.	36 lbs.	7 lbs.
A4143S	06	3/8	9.5	.690	17.3	175	85	500 ft.	100 ft.	60 lbs.	12 lbs.
A4143S	08	1/2	12.7	.875	22.2	175	85	500 ft.	100 ft.	93 lbs.	18 lbs.
A4143S	12	3/4	19.0	1.188	30.2	150	75	—	300/100 ft.	—	85/28 lbs.
A4143S	16	1	25.4	1.500	38.1	125	60	—	200/100 ft.	—	86/43 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Compatible with popular spray fittings, such as Binks and DeVilbiss.

‡ Caution: This product is designed to dissipate static electricity when the metal wire is properly grounded through the fitting or by other means.

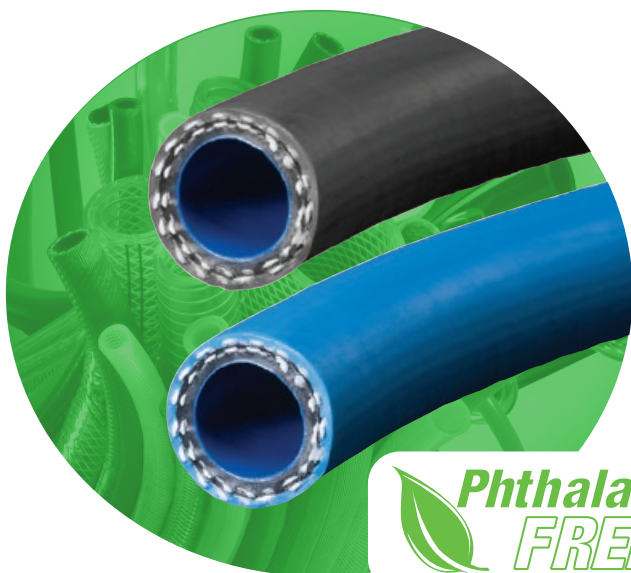
**CAUTION: NOT FOR USE WITH HOT PAINT. DO NOT EXCEED TEMPERATURE OF 125°F (+52°C).**  
**WARNING: IMMERSION OF THE HOSE IN SOLVENTS FOR AN EXTENDED PERIOD OF TIME IS NOT RECOMMENDED DUE TO POTENTIAL SWELLING OF THE HOSE JACKET.**

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Kuri Tec®**

**TRUESPRAY™**

**A4083, A4086 Series  
High Pressure Polyethylene  
Rubber Blend Reinforced  
Chemical Spray &  
Transfer Hose**

A premium chemical spray and transfer hose for applications requiring greater chemical-resistance . . . excellent for high pressure tree and orchard spraying, as well as paint, solvent and chemical transfer.

**Construction:**

- Tube — Co-extruded blue LLDPE/rubber blend.
- Reinforcement — High tensile strength yarn . . . two-pass spiral construction.
- Cover — Blue rubber blend compound.

**Features:**

- Excellent chemical-resistance.
- Extremely light weight.
- Excellent low temperature properties.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.

- Silicone-free.
- RoHS<sup>(16)</sup> compliant.
- Phthalate Free!

**Applications:**

- For use in applications where additional chemical resistance is required . . . see chemical resistance chart, referring to both core and cover materials, on Page 66.
- Agricultural fertilizer, pesticide and herbicide spraying.
- High pressure tree, orchard and vineyard spraying.
- Concrete curing and spraying.
- Paint and solvent transfer.
- Chemical transfer.



**Service Temperature Range:** -40°F (-40°C) to +130°F (+54°C)

**Nominal Specifications**

Standard Stock Colors		Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (psi)		Standard Lengths Coils (ft)	Approx. Wt. per Pkg. (lbs)
A4083 Black	A4086 Blue		(in)	(mm)	(in)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		
✓	✓	06	3/8	9.5	0.688	17.5	800	300	300/100	33/11
✓	✓	08	1/2	12.7	0.840	21.3	800	300	300/100	45/15
✓	✓	12	3/4	19.1	1.140	29.0	800	250	300/100	72/24
✓	✓	16	1	25.4	1.400	35.6	400	125	200/100	65/33

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.

## A1687 Series 800 PSI PVC/Polyurethane Blend Reinforced Spray Hose

**Performance-Plus  
Three Year Warranty!**  
(See Page 52 for Details)

**TREE  
SPRAYING**

**Phthalate  
FREE**

Unique PVC/polyurethane blended core provides excellent resistance to hydrocarbon-based tree spray, lawn care and pest control chemicals. Reinforced with high tensile strength yarn. PVC ribbed cover provides abrasion resistance.

### Construction:

- Tube — Black PVC/polyurethane blend.
- Reinforcement — High tensile strength yarn two-pass spiral construction.
- Cover — Ribbed PVC.

### Features:

- Extremely tough and kink resistant.
- PVC/polyurethane blended core — provides better chemical resistance than comparable all-PVC hoses.
- Ribbed cover provides excellent abrasion-resistance.

- 800 PSI working pressure.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.
- Silicone-free.
- One-piece lengths.
- Phthalate Free!

### Applications:

- Tree and orchard spraying.
- Agricultural spraying.
- Commercial weed spraying.



**Service Temperature Range: +15°F (-10°C) to +160°F (+70°C)**

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Coil Lengths	Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		300 ft. Coil	400 ft. Coil
A1687	06	3/8	9.5	.650	16.5	800	450	300 or 400 ft.	41 lbs.	54 lbs.
A1687	08	1/2	12.7	.850	21.6	800	450	300 or 400 ft.	68 lbs.	90 lbs.
A1687	10	5/8	15.9	1.030	26.2	800	400	300 ft.	96 lbs.	—
A1687	12	3/4	19.1	1.170	29.7	800	400	300 ft.	126 lbs.	—

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate Free<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.


**Kuri Tec®**

## A1661 Series

### 600 PSI PVC/Polyurethane Blend Reinforced Spray Hose

Unique PVC/polyurethane blended core provides excellent resistance to hydrocarbon-based lawn care and pest control chemicals. Reinforced with high tensile strength yarn. PVC ribbed cover provides abrasion resistance.

#### Construction:

- Tube — Black PVC/polyurethane blend.
- Reinforcement — High tensile strength yarn two-pass spiral construction.
- Cover — Ribbed PVC.

#### Features:

- Extremely tough and kink resistant.
- PVC/polyurethane blended core — provides better chemical resistance than comparable all-PVC hoses.
- Ribbed cover provides excellent abrasion-resistance.

- 600 PSI working pressure.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.
- Silicone-free.
- One-piece lengths.
- Phthalate Free!

#### Applications:

- Agricultural spraying.
- Commercial weed spraying.
- Pest control spraying.

Service Temperature Range: +15°F (-10°C) to +160°F (+70°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Coil Lengths	Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		300 ft. Coil	400 ft. Coil
A1661	06	3/8	9.5	.650	16.5	600	350	300 or 400 ft.	41 lbs.	54 lbs.
A1661	08	1/2	12.7	.790	20.1	600	350	300 or 400 ft.	57 lbs.	76 lbs.
A1661	10	5/8	15.9	1.030	26.2	600	300	300 ft.	96 lbs.	—
A1661	12	3/4	19.1	1.170	29.7	600	300	300 ft.	126 lbs.	—

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Note: Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>**

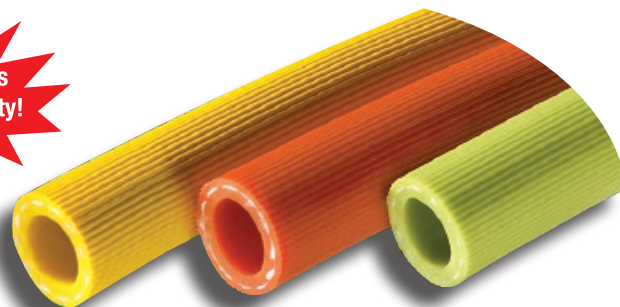
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# Kuri Tec®

## K4131, K4132, K4137 Series

### 600 PSI PVC Spray Reinforced Hose



Excellent quality spray hoses made with premium quality PVC compounds, ideally-suited for lawn and ornamental spray applications using wettable powder chemicals. (Not recommended for high pressure tree spray applications.)

#### Construction:

- K4131 - Yellow, K4132 - Orange and K4137 - Mint Green.
- Tube — Yellow, Orange, or Mint Green PVC.
- Reinforcement — High tensile strength yarn; one-pass spiral construction.
- Cover — Yellow, Orange, or Mint Green ribbed PVC.

#### Features:

- Economically priced.
- Ribbed cover for reduced drag and increased flexibility.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.
- Non-marking.

- Light weight — easily coiled after use.
- Longitudinal reinforcing yarns enhance coupling retention and reduce elongation under pressure.
- Chemical resistance of quality PVC for the transfer or spraying of “wetable powder” type chemicals. Not recommended for use with emulsifiable chemicals based on hydrocarbon carriers.
- Silicone-free.
- One-piece lengths.
- Phthalate Free!

#### Applications:

- Lawn spraying.
- Agricultural spraying.
- Vineyard spraying.
- Nursery spraying.
- Building washdown.

Service Temperature Range: +25°F (-5°C) to +150°F (+65°C)

### Nominal Specifications

Standard Stock Colors			Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Coil Lengths	Approx. Wt. per Pkg.	
K4131 Yellow	K4132 Orange	K4137 Mint Green		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		300 ft.	400 ft.
✓	✓	✓	06	3/8	9.5	.625	15.9	600	250	300 or 400 ft.	35 lbs.	46 lbs.
✓	✓	✓	08	1/2	12.7	.790	20.0	600	250	300 or 400 ft.	54 lbs.	72 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Note: Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Performance-Plus  
Three Year Warranty!**  
(See Page 52 for Details)

**Kuri Tec®**

## A1628 Series

### 300 PSI PVC/Polyurethane Blend Reinforced Spray Hose

**Phthalate  
FREE**

**PEST  
CONTROL**

Unique PVC/polyurethane blended core provides excellent resistance to hydrocarbon-based lawn care and pest control chemicals. Reinforced with high tensile strength yarn. PVC ribbed cover provides abrasion resistance.

#### Construction:

- Tube — Black PVC/polyurethane blend.
- Reinforcement — High tensile strength yarn.
- Cover — Ribbed PVC.

#### Features:

- Extremely tough and kink resistant.
- PVC/polyurethane blended core — provides better chemical resistance than comparable all-PVC hoses.

- Ribbed cover provides excellent abrasion-resistance.
- 300 PSI working pressure.
- Pin-pricked cover vents vapor . . . helps prevent ballooning.
- Silicone-free.
- One-piece lengths.
- Phthalate Free!

#### Applications:

- Pest control spraying.
- Agricultural spraying.
- Commercial weed spraying.

**Service Temperature Range: +15°F (-10°C) to +160°F (+70°C)**

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Coil Lengths	Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		300 ft. Coil	400 ft. Coil
A1628	06	3/8	9.5	.625	15.9	300	150	300 or 400 ft.	36 lbs.	47 lbs.
A1628	08	1/2	12.7	.770	19.6	300	150	300 or 400 ft.	49 lbs.	65 lbs.
A1628	12	3/4	19.1	1.060	26.9	200	100	300 ft.	80 lbs.	—
A1628	16	1	25.4	1.306	33.2	200	100	200 ft.	67 lbs.	

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**Note:** Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® hose products. Hose claims involving use of these fittings will be disallowed.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## K4350 Series EVA Yarn-Reinforced Spray Hose



A yarn reinforced EVA hose suitable for low pressure spraying and transfer of agricultural chemicals.

### Construction:

- Tube — Translucent EVA copolymer.
- Reinforcement — High tensile strength yarn.
- Cover — Translucent EVA copolymer.

### Features:

- Highly flexible.
- Higher working pressures than non-reinforced EVA tubing.
- Excellent low temperature flexibility.
- Excellent chemical-resistance.

- Silicone-free.
- One-piece lengths.
- RoHS<sup>(16)</sup> compliant.
- Phthalate Free!

### Applications:

- Agricultural spray applications, including anhydrous ammonia fertilizer.
- Low pressure lawn spray.
- Low pressure transfer of liquids and gases, including chemicals.

Service Temperature Range: -30°F (-35°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Lengths		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)	Coil	Reel	Coil	Reel
K4350	06	3/8	9.5	.594	15.1	300	100	300 ft.	500 ft.	22 lbs.	41 lbs.
K4350	08	1/2	12.7	.719	18.3	250	75	300 ft.	500 ft.	26 lbs.	51 lbs.
K4350	12	3/4	19.1	.970	24.6	150	40	300 ft.	—	36 lbs.	—
K4350	16	1	25.4	1.313	33.4	150	30	200 ft.	—	47 lbs.	—

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Performance-Plus  
Three Year Warranty!**  
(See Page 52 for Details)

**Kuri Tec®**

## A9350 Series Polyethylene Yarn-Reinforced Dual Line Spray Hose

Special light weight dual line reinforced hose which offers chemical resistance along with ease of handling for spraying of herbicides and fertilizers.

### Construction:

- Tube — Special translucent LLDPE.
- Reinforcement — High tensile strength yarn.
- Cover — Special "low friction" translucent copolymer.

### Features:

- Extremely light weight.
- Exceptionally low resistance to dragging.

- Both core and cover offer excellent chemical-resistance and resistance to environmental stress cracking.
- Silicone-free.
- One-piece lengths.
- RoHS<sup>(16)</sup> compliant.
- Phthalate Free!

### Applications:

- Spot herbicide treatment, while fertilizing.
- Automatic dilution of liquid concentrate at the spray head.

**Service Temperature Range:** -30°F (-35°C) to +150°F (+65°C)

### Nominal Specifications

Part No.	Line 1				Line 2				Max. Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.
	Nominal ID		Nominal OD		Nominal ID		Nominal OD		@ 70°F (20°C)	@ 122°F (50°C)		
	(In)	(mm)	(In)	(mm)	(In)	(mm)	(In)	(mm)				
A9350-04060-03S	1/4	6.5	.457	11.6	3/8	9.5	.593	15.1	250	100	300 ft.	37 lbs.
A9350-04060-04S	1/4	6.5	.457	11.6	3/8	9.5	.593	15.1	250	100	400 ft.	49 lbs.
A9350-04080-03S	1/4	6.5	.457	11.6	1/2	12.7	.740	18.8	250	100	300 ft.	46 lbs.
*A9350-04080-04S	1/4	6.5	.457	11.6	1/2	12.7	.740	18.8	250	100		

**Note:** Individual components of Series A9350 Dual Line Spray Hose are available on special order as **Series A1710S**.

**† Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

\*Non stock item.

**PHthalate FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>**

## Kuri Tec® Performance – Plus Warranty Program

Subject to the provisions below, products sold or distributed by Seller are warranted to be free from defects in material and workmanship for the following time periods:

- For Kuri Tec® Series K4131, K4132, K4137, A1628, A1661, A1687 and A9350 spray hoses — a period of three years from the date of purchase.

Use of hydraulic or reusable-type fittings are not recommended for coupling Kuri Tec® spray hose products. Hose claims involving use of these fittings will be disallowed.

A phone call to our Customer Service Department; in the U.S., Kuriyama of America, Inc., Schaumburg, IL (847)-755-0360 or in Canada, (519) 753-6717 Kuri Tec Corporation, Brantford, ON, Canada should be made to report any product claims. "The Seller, Kuriyama of America, Inc. or Kuri Tec Corporation, (please refer to address information on back page of catalog) may require a prepaid return of the affected hose before the following refund/credit schedule can be implemented. Note: Any hose that is to be returned must be fully drained. MSDS, Material Safety Data Sheets must also be submitted to Kuriyama of America, Inc. or Kuri Tec Corporation (please refer to address information on back page of catalog), via mail or fax prior to any authorized return.

For claims made the Seller's liability is limited exclusively to the following:

1. For claims made during the first year: Full replacement of hose or a credit of the original purchase price at Seller's option.

2. For claims made during the second year, for spray hoses having a three year warranty: A credit for two thirds of the original purchase price will be refunded as a credit.

3. For claims made during the third year, for spray hoses having a three year warranty: A credit for one third of the original purchase price will be refunded as a credit.

This warranty is in lieu of and excludes all other warranties, expressed, implied, statutory, or otherwise created under applicable law including, but not limited to, the warranty of merchantability and the warranty of fitness for a particular purpose. In no event shall seller or the manufacturer of the product be liable for special, incidental, or consequential damages, including loss of profits, whether or not caused by or resulting from the negligence of seller and/or the manufacturer of the product, unless specifically provided herein. In addition, this warranty shall not apply to any products or portions thereof which have been subjected to abuse, misuse, improper installation, maintenance, or operation, electrical failure or abnormal conditions, and to products which have been tampered with, altered, modified, repaired, reworked by anyone not approved by seller, or used in any manner inconsistent with the provisions of the "Cautionary Statement" above or any instructions or specifications provided with or for the product. No distributor is authorized to extend any other warranty on behalf of the Seller.

2/2005

**Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.**

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.

## Considerations for Selecting and Using Spray Hose

One of the most demanding hose applications is chemical spray, as seen in lawn care and pest control. The hose is subject to both internal and external stress. Internal hose stress results from the high pressures used and the aggressive nature of the chemicals. External stress is applied to the hose by pulling and dragging the hose, as well as exposure to the freshly applied chemicals.

Several Kuri Tec® hoses are offered for use in chemical spray applications and, in order to obtain optimum performance and service life, it is essential that the proper hose be selected and that proper care be taken in handling the hose.

### What type of chemical is being conveyed?

In general, lawn care and pest control chemicals fall into two classifications, based on the physical form of the substance: wettable powders (WP) and emulsifiable liquid concentrates (EC).

Wettable powders are supplied in dry powder or granular form and are dissolved in water to create a sprayable solution. The substances are generally stable when in solution and will not “settle out” when allowed to stand. All of our pest control, lawn, and tree chemical spray hoses will handle most of these wettable concentrates in aqueous solutions at normal suggested concentrations.

Emulsifiable concentrates are supplied in a liquid form in which the herbicide or pesticide is dissolved in a carrier that is itself a solvent or oil-based substance. When mixed with water, these substances become “emulsions” in which the chemicals are not truly dissolved in the water. When allowed to stand, the chemicals will separate from the water, generally floating to the top. The emulsified carriers themselves have an effect on the hose’s core tube and, in combination with the other chemicals being used, can have a significant effect on the hose material when they separate and form a more concentrated phase.

For emulsifiable concentrate chemicals, we suggest the use of Kuri Tec hoses using PVC/Polyurethane blend compounds in the core tube, such as Series A1628, A1661 and A1687. “All PVC” spray hoses such as Series K4131

are not suggested for use with these chemicals, because of the possibility of phase separation in the mixture.

Regardless of the type of hose used with the emulsifiable concentrate chemicals, it is recommended that the hose be drained if it is going to stand for an extended period of time, since even on a reel the chemicals may separate out of the water emulsion and collect in concentrated bands at the top of the reel.

**NOTE:** All Kuri Tec hose suggestions are for aqueous solutions or emulsions of the chemical herbicide, pesticide or fertilizer in the suggested concentrations. For transfer of an emulsifiable concentrate in its pure form, a premium chemical spray hose such as Series A4086, with its polyethylene liner, is suggested.

### At what working pressure and operating temperature will the hose be used?

All hoses, but particularly thermoplastic hoses, are affected by temperature. As the operating temperature rises, the material will soften slightly and the working and burst pressures will be reduced. It is not unusual for the hose temperature in a lawn spraying application to rise to 120° F. in summer. The individual pressure rating tables should be consulted to determine the maximum working pressure at 122° F. In general, one can expect a reduction of 40% to 60% in the working pressure rating at 120° F., when compared to the working pressures for the same hose at 70° F. This factor must be considered when selecting the proper hose.

### What type of fittings should be used?

As explained in the Fitting Compatibility Guide on pages 64-65, a double-barbed fitting held in place with two band clamps appears to be the best choice for Kuri Tec spray hoses. In addition, the use of spring guards is highly recommended in order to prevent kinking of the hose at the fittings. Properly crimped ferrules over multi-barbed fittings are also suitable, provided a gap is provided at the end of the ferrule to avoid “wicking” of the fluid along the yarn.

## Summary of Suggested Spray Hose Applications

Series	Description						Suitability	
	Core Materials	Jacket Properties				Working Pressure† (PSI @ 70°F)	Wettable Powders	Emulsifiable Liquids
		Material	Color	Surface	Perforations			
K3150	PVC	PVC	Clear	Smooth	No	250	Yes	No
K4131, 32, 37	PVC	PVC	Yellow	Ribbed	Yes	600	Yes	No
A1628	PVC/TPU	PVC	Grey	Ribbed	Yes	300	Yes	Yes
A1661 (i)	PVC/TPU	PVC	Yellow	Ribbed	Yes	600	Yes	Yes
A1687 (i)	PVC/TPU	PVC	Green	Ribbed	Yes	800	Yes	Yes
A4086 (i)	LLDPE	TPE	Blue	Smooth	Yes	800	Yes	Yes (ii)
A1710S	LLDPE	EVA	Translucent	Smooth	No	250	Yes	Yes (ii)
K4350	EVA	EVA	Translucent	Smooth	No	150 - 250	Yes	Yes (ii)

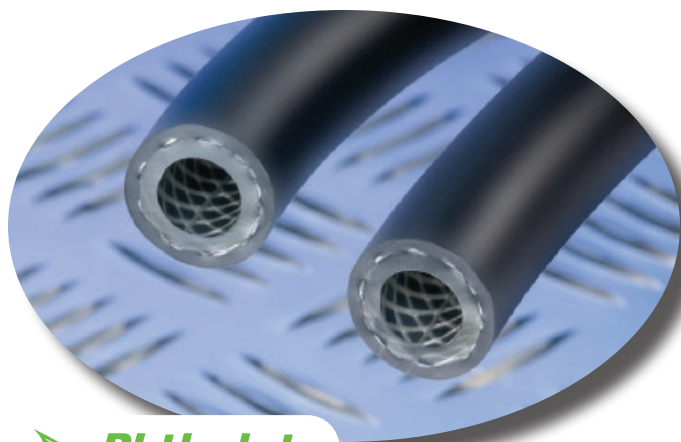
† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**NOTE :** (i) Two-pass reinforcement provides improved kink resistance and pressure performance.

(ii) Suitable for transfer of emulsifiable concentrate in undiluted form.

**Kuri Tec®**

## A1243 Series Non-Toxic PVC Air Breathing Hose



A specially-designed non-toxic air breathing hose that provides low temperature flexibility and low odor.

### Construction:

- Tube — Clear PVC compound, formulated in compliance with FDA<sup>(03)</sup> and RoHS<sup>(16)</sup> requirements.
- Reinforcement — High tensile strength yarn.
- Cover — Non-toxic, U. V. and weather resistant black PVC compound.

### Features:

- Good low temperature flexibility.
- Low odor, compared with traditional rubber hose.
- Heavy wall construction matches the dimensions of rubber hose.

- Light-wall version available (1/4" size).
- One-piece lengths.
- Hose meets NIOSH<sup>(14)</sup> requirements for Type C respirator.
- Phthalate Free!

### Applications:

- General Type C air supply lines.
- Paint spray booths.
- Indoor, in-plant air service.
- Outdoor, open air service.

**Service Temperature Range:** -15°F (-26°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		
A1243H	04	1/4	6.5	.625	15.9	250	150	300 ft.	42 lbs.
A1243	04	1/4	6.5	.500	12.7	250	150	500 ft.	40 lbs.
A1243H	06	3/8	9.5	.688	17.5	250	150	300 ft.	43 lbs.
A1243H	08	1/2	12.7	.840	21.3	250	150	300 ft.	66 lbs.

† **Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

**NOTE:** NIOSH only certifies complete breathing respirators and does not issue certifications on individual components, such as hoses. All replacement hoses for NIOSH-certified apparatus must have prior NIOSH certification as a part of that unit.

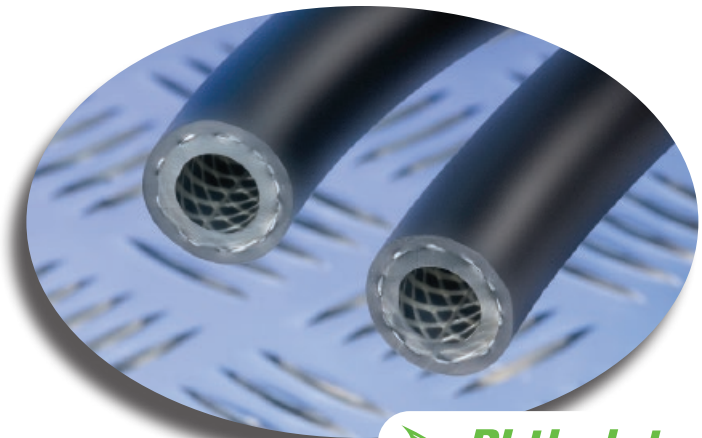
**NOTE:** For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(03)</sup>, NIOSH<sup>(14)</sup>, PHthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.

## A1263 Series Low Temperature Non-Toxic PVC Air Breathing Hose



This specially-designed non-toxic/low odor air breathing hose provides air service in extreme low temperature conditions.

### Construction:

- Tube — Clear PVC compound, formulated in compliance with FDA<sup>(03)</sup> and RoHS<sup>(16)</sup> requirements.
- Reinforcement — High tensile strength yarn.
- Cover — Non-toxic, U. V. and weather resistant black PVC compound.

### Features:

- Provides increased low temperature flexibility versus Series A1243 hose.
- Low odor, compared with traditional rubber hose.
- Heavy wall construction matches the dimensions of rubber hose.

- One-piece lengths.
- Hose meets NIOSH<sup>(14)</sup> requirements for Type C respirator.
- Phthalate Free!

### Applications:

- Outdoor, open air service in extreme low temperature conditions.
- General Type C air supply lines.
- Paint spray booths.
- Indoor, in-plant air service.

Service Temperature Range: -40°F (-40°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coils	Approx. Wt. per Pkg.
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)		
A1263	04	1/4	6.5	.585	14.9	300	180	500 ft.	64 lbs.
A1263	06	3/8	9.5	.720	18.3	300	180	300 ft.	52 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

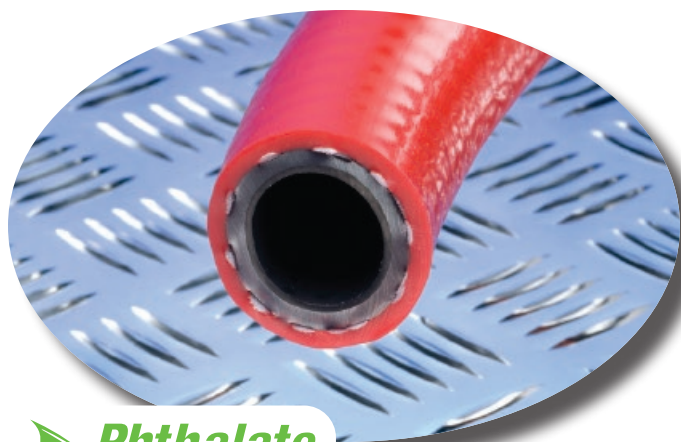
NOTE: NIOSH only certifies complete breathing respirators and does not issue certifications on individual components, such as hoses. All replacement hoses for NIOSH-certified apparatus must have prior NIOSH certification as a part of that unit.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**FDA<sup>(03)</sup>, NIOSH<sup>(14)</sup>, PHthalate Free<sup>(15)</sup>, RoHS<sup>(16)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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**Kuri Tec®**

## A4164 Series

### Conductive PVC Air Hose with PVC Cover

Uniquely different PVC air hose that prevents static build-up without the need of a static wire.

#### Construction:

- Tube — Co-extruded electrically-conductive PVC.
- Reinforcement — Spiral polyester yarn.
- Cover — Red weather resistant PVC.

#### Features:

- Continuous flexible conductive liner assures contact with fittings, without special preparation or clamping techniques.
- No wires to break when the hose is flexed.
- Distinctive color and branding allows easy identification.
- Silicone-free.
- One-piece lengths.
- Branded as “Conductive Air”.
- Non-marking non-perforated cover.
- Phthalate Free!

#### Applications:

- In-plant air service where static dissipation is required.
- Air lines for painting equipment.
- Applications requiring the use of grounded pneumatic tools.

#### Electrical Data:

- Resistance is less than 100,000 ohms per foot when tested with an ohmmeter, with normal open-circuit output voltage of 500 VDC.
- Note: Conductivity is through the inner liner only. To dissipate static electricity, the hose must be fitted with a grounded conductive coupling. When measured through the wall of the hose, the product demonstrates electrical insulation.

Service Temperature Range: +14° F (-10° C) to +150° F (+65° C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coils		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)	Reel	Coil	Reel	Coil
A4164	04	1/4	6.5	.500	12.7	300	180	500 ft.	100 ft.	44 lbs.	8 lbs.
A4164	06	3/8	9.5	.625	15.9	300	180	500 ft.	100 ft.	58 lbs.	11 lbs.
A4164	08	1/2	12.7	.813	20.7	300	180	500 ft.	100 ft.	93 lbs.	18 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate Free<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## A4176 Series Conductive PVC Air Hose with Polyurethane Cover



**Phthalate  
FREE**

Uniquely different PVC air hose that prevents static build-up without the need of a static wire.

### Construction:

- Tube — Co-extruded electrically-conductive PVC.
- Reinforcement — Spiral polyester yarn.
- Cover — Blue polyurethane for superior abrasion resistance.

### Features:

- Continuous flexible conductive liner assures contact with fittings, without special preparation or clamping techniques.
- No wires to break when the hose is flexed.
- Distinctive color and branding allows easy identification.
- Silicone-free.
- One-piece lengths.
- Branded as “Conductive Air”.

- Excellent chemical and abrasion resistance afforded by polyurethane cover.
- Non-marking non-perforated cover.
- Phthalate Free!

### Applications:

- In-plant air service where static dissipation is required.
- Air lines for painting equipment.
- Applications requiring the use of grounded pneumatic tools.

### Electrical Data:

- Resistance is less than 100,000 ohms per foot when tested with an ohmmeter, with normal open-circuit output voltage of 500 VDC.
- Note: Conductivity is through the inner liner only. To dissipate static electricity, the hose must be fitted with a grounded conductive coupling. When measured through the wall of the hose, the product demonstrates electrical insulation.

Service Temperature Range: +14° F (-10° C) to +150° F (+65° C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Length Coils		Approx. Wt. per Pkg.	
		(In)	(mm)	(In)	(mm)	@ 70°F (20°C)	@ 122°F (50°C)	Reel	Coil	Reel	Coil
A4176	04	1/4	6.5	.500	12.7	300	180	500 ft.	100 ft.	44 lbs.	8 lbs.
* A4176	06	3/8	9.5	.625	15.9	300	180	500 ft.	100 ft.	58 lbs.	11 lbs.
A4176	08	1/2	12.7	.813	20.7	300	180	500 ft.	100 ft.	93 lbs.	18 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

\*Non stock item.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>**

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**Kuri Tec®**

## NAUTILUS™ K2W Series

### Weighted Aeration Tubing



A special weighted flexible PVC tubing that is ideal for trouble free delivery of air to pond aeration systems.

#### Construction:

Special black weighted PVC compound ensures durability, reliability and sink-ability while in use.

#### Features:

- Remains flexible for use in a wide range of temperatures.
- Greatly reduces installation time, requires no maintenance following instructions.
- Naturally sinks without the use of additional weights or anchors.
- Available in 3/8", 1/2", 5/8, 3/4 and 1" ID sizes to fit most aeration systems.

- Packaged in coils or reels depending on application lengths required.
- Phthalate Free!

#### Applications:

- Pond and lake aeration.
- Water recirculation.
- Ice clearing.
- Wastewater lagoons.
- Commercial hatcheries.

Service Temperature Range: 25°F (-4°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Nominal ID		Nominal OD		Working Pressure† (PSI) @ 70°F (20°C)	Standard Length Coils	Approx. Wt. lbs/Pkg.
		(In)	(mm)	(In)	(mm)			
K2W	0611	3/8"	9.5	0.690	17.5	50	300 ft.	60 lbs.
K2W	0815	1/2"	12.7	0.960	24.4	50	200 ft.	80 lbs.
K2W	1017	5/8"	15.9	1.065	27.1	50	100 ft.	44 lbs.
K2W	1220	3/4"	19.1	1.275	32.4	40	100 ft.	63 lbs.
K2W	1627	1"	25.4	1.690	42.9	40	100 ft.	111 lbs.

Note: The Nautilus Weighted Aeration Tubing ID sizes and specification information listed above are based on average dimensions. Special ID sizes and lengths are available on request. All products are priced on request. Check with your local sales office for additional details.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

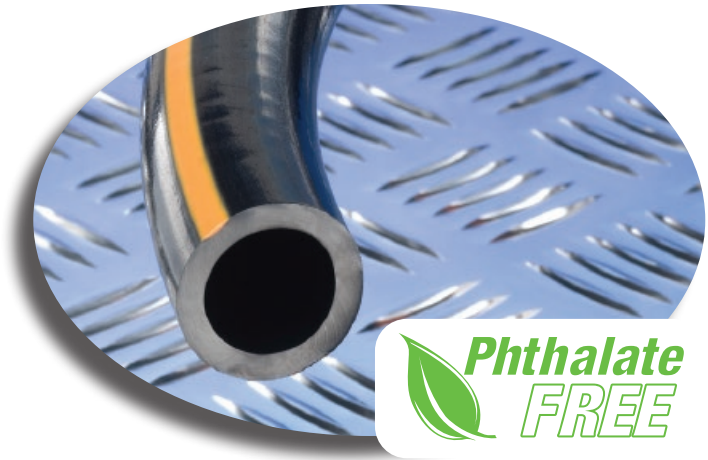
NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

**PHthalate FREE<sup>(15)</sup>, RoHS<sup>(16)</sup>**

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## K7000 Series Anti-Stat Blasting Tubing



A specially formulated anti-static PVC tubing for the loading of ammonium nitrate/fuel oil blasting agents used in the mining and construction industries.

### Construction:

Specially-formulated anti-static PVC compound.

### Features:

- Conductivity – effectively limits build-up of static electricity; provides path for its safe dissipation to ground.
- Bleeds off static charges built up during pneumatic loading of Ammonium Nitrate/Fuel Oil mixtures.
- Sufficient resistance – guards blasting circuit against stray electrical currents.
- Wear resistance – smooth interior and exterior surfaces, combined with tough material formulation, provide good wear resistance.
- Self-extinguishing characteristics.
- Excellent flexibility – sufficiently flexible to handle easily, yet rigid enough to reach upwards into collars of steeply-inclined holes.

- Easily identifiable – co-extruded continuous orange stripe makes tubing visible in underground lighting.
- Embossed branding – provides lasting identification.
- Packaged for ease of handling and shipping.
- Phthalate Free!

### Applications:

- Bulk unloading of ammonium nitrate/fuel oil blasting agents in small diameter holes.
- Successfully used for years with Orica's blast hole chargers, intermediate loaders and the Penberthy Anoloader.
- Mining and construction site blasting.

Service Temperature Range: -30°F (-35°C) to +150°F (+65°C)

### Nominal Specifications

Series No.	Size Code	Inside Diameter		Approx. O.D.		Max. W.P.		Approx. Wt. per 100 ft. (lbs.)	Approx. Mass per 100 m (kg.)	Length/Coil	
		Inches	mm	Inches	mm	PSI	MPa			ft.	m
K7000	10	5/8	16	55/64	22	120	0.83	17.5	25	200	61
K7000	12	3/4	19	1 1/16	27	120	0.83	28	40	200	61
K7000	16	1	25	1 21/64	34	120	0.83	38	55	300	91
K7000	20	1 1/4	32	1 5/8	41	120	0.83	55	78	100	30

NOTE: A new coil of tubing can have its pliancy restored by the application of heat before it is placed in service underground. This will facilitate handling and its attachment to pneumatic loading equipment. Steam or very hot water passed through the coiled tubing will remove the "set" from the new tubing and allow it to be straightened easily. The tubing should then be left to cool in the straight position.

NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 63.

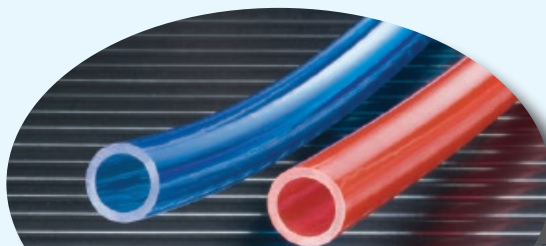
**PHthalate FREE<sup>(15)</sup>**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

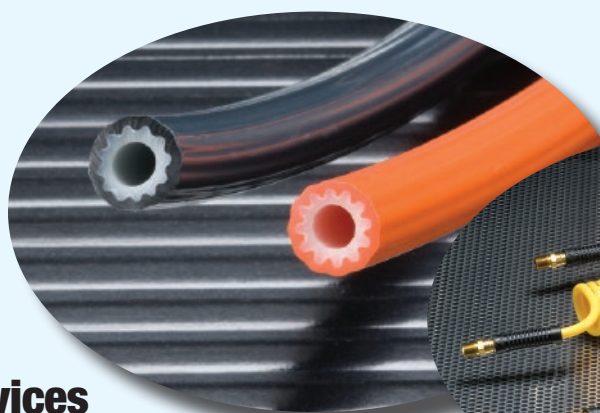
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## Custom Services

- Custom Colors/Tints
- Striping
- Private Branding (Logos)
- Custom Packaging/Labeling



- Twin Weld (Permanent and Strippable)
- Special Sizes
- In-Line Cut to Length

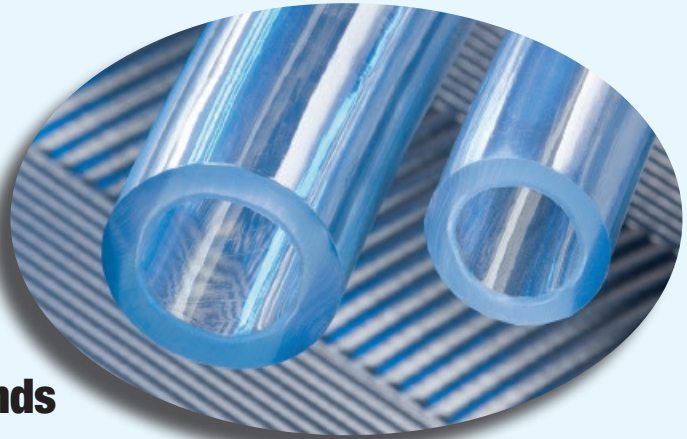


- Custom Dies
- Assembly Services

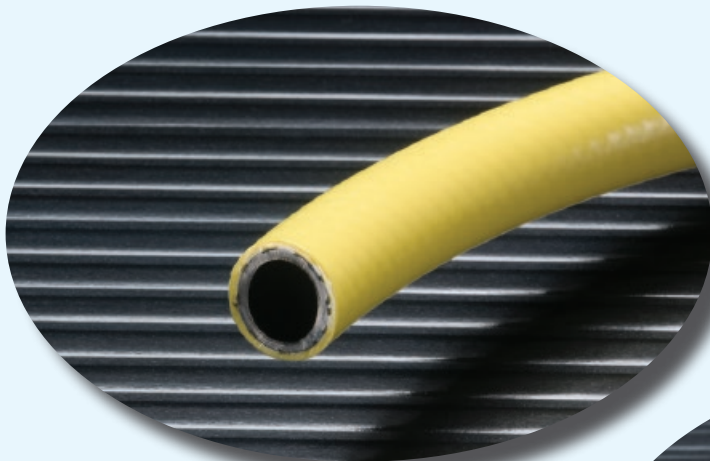


## **Custom Compounds/Extrusions**

- **Co-extrusions**
- **Anti-Static**
- **UV Stabilization**
- **Anti-Microbial**
- **Custom Application Compounds**



## **Custom Applications**



**Conductive Powder Paint  
Hoses - Powder Painting  
Industry.**

**Dual Conductive Hoses for  
Air and Spray Applications.**



**Company Profile**

Company Name \_\_\_\_\_ Contact \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_

**Application Details**

Application \_\_\_\_\_ What is being transported? \_\_\_\_\_

Mostly Indoor Use ☐ Outdoor Use ☐

Solid ☐ Liquid ☐ Gas ☐

Normal working pressure \_\_\_\_\_ psi @ \_\_\_\_\_ ° F/C Is it hazardous? Yes ☐ No ☐

Max. working pressure \_\_\_\_\_ psi @ \_\_\_\_\_ ° F/C Food Grade? Yes ☐ No ☐

Required Approvals? \_\_\_\_\_  
(NSF, USDA, 3A, IAPMO, etc.)

**Development Details**

ID: \_\_\_\_\_ " +/- \_\_\_\_\_ "

Color: ☐ Clear

OD: \_\_\_\_\_ " +/- \_\_\_\_\_ "

☐ Translucent (Tint) Color: \_\_\_\_\_

Wall: \_\_\_\_\_ " +/- \_\_\_\_\_ "

☐ Opaque (Solid) Color: \_\_\_\_\_

Cover Finish: Dull ☐ High Gloss ☐

Kuri Tec color acceptable ☐ Color match required ☐

Branding: ☐ Standard Kuri Tec Branding

☐ Custom Branding – Message: \_\_\_\_\_

Packaging: Coils \_\_\_\_\_ ft Boxes \_\_\_\_\_ ft Reels \_\_\_\_\_ ft

Cut Length \_\_\_\_\_ ft/in Tolerance \_\_\_\_\_ ft/in

Other: \_\_\_\_\_

Annual Volume: \_\_\_\_\_ Release Quantity: \_\_\_\_\_

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- 2. Complete**
- 3. Fax**

**For U.S. Inquiries:**

**Fax Numbers: (800) 800-0320 or (847) 885-0996**

**For Canada Inquiries:**

**Fax Number: (519) 753-7737**

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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## ISO 9001 Registration

Kuri Tec® hose and tubing products are manufactured in our own plants, which are ISO 9001 Registered facilities in Canada and the United States.

The ISO 9001 family of standards represents an international consensus on good management practices with the aim of ensuring that the organization can time

and time again deliver the product or services that meet the customer's quality requirements.

ISO 9001 is a quality assurance model against which a plant's quality system can be audited. The standard sets out the requirements for an organization whose business processes range all the way from design and development to production.

## Compliance Footnotes for Kuri Tec® Catalog Products

Many of the Kuri Tec hose & tubing products comply with one or more of the regulatory requirements pertaining to specific applications, such as:

- (01) 3A- The PVC compound complies with the criteria in 3-A Sanitary Standards for Multiple-Use Plastic Materials, number 20.
- (02) ASME A112.18.6 – When properly coupled with suitable fittings, this hose will pass the performance tests as outlined in the ASME standard A112.18.6 for Flexible Water Connectors.
- (03) FDA – The PVC ingredients used are sanctioned for food contact use under CFR title 21, parts 170-199 or FD&C Act, section 409(h), notifications relating to food contact substance.
- (04) FDA – Material complies with 21 CFR 177.1350.
- (05) FDA – Material complies with 21 CFR 177.1520 (c) 3.1 (b).
- (06) FDA - Type 1, Class A, Category 4 Polyethylene (complies with FDA21 CFR 177.1520 for Olefin Polymers (par (c) 3.2a).
- (07) FDA – Material conforms to FDA CFR 21-177-2600.
- (08) MSHA Accepted – Cover material accepted by MSHA as having met the requirements for acceptance of flame-resistant solid products taken into mines for hoses transferring air, oil, water or other fluids.
- (09) NSF – The polyurethane material is listed under NSF Standards 51 and 61.
- (10) NSF – This hose is certified under NSF/ANSI standard 61: Drinking Water System Components – Health Effects. This product has also been evaluated for use in Mechanical Plumbing Device applications with a maximum use restriction of 130 sq. in./L. This certification applies only to the hose without other components attached to the hose. This hose is certified to NSF/ANSI standard 372: Drinking Water System Components – Lead Content and conforms with the lead content requirements for “lead free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.
- (11) NSF – The inner core tube PVC material is certified under NSF/ANSI standard 51: Food Equipment Materials and is also certified as Pipes and Related Products under NSF/ANSI standard 61: Drinking Water System Components – Health Effects. The inner core tube PVC material is certified to NSF/ANSI standard 372: Drinking Water System Components – Lead Content and conforms with the lead content requirements for “lead free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.
- (12) NSF – The hose is certified under NSF/ANSI standard 51: Food Equipment Materials and is also certified as Pipes and Related Products under NSF/ANSI standard 61: Drinking Water System Components – Health Effects. This hose is certified to NSF/ANSI standard 372: Drinking Water System Components – Lead Content and conforms with the lead content requirements for “lead free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.
- (13) NSF – The hose is certified under NSF/ANSI standard 51: Food Equipment Materials. The inner surface PVC material is also certified as Pipes and Related Products under NSF/ANSI standard 61: Drinking Water System Components – Health Effects. The inner core tube PVC material is certified to NSF/ANSI standard 372: Drinking Water System Components – Lead Content and conforms with the lead content requirements for “lead free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.
- (14) NIOSH –When coupled with suitable fittings and apparatus, this air breathing hose will satisfy the NIOSH Air-Supply-Line requirements and tests of Type C Respirators as described in Table 8 to 42 CFR Part 84, subpart J including the test for permeation of hose by gasoline. NOTE: NIOSH only certifies complete breathing respirators and does not issue certification on individual components, such as hoses. All replacement hoses for NIOSH-certified apparatus must have prior NIOSH certification as a part of that unit.
- (15) Phthalate Free – Manufactured from all phthalate free materials
- (16) RoHS – The product complies with the requirements of the EU directive 2002/95/EC which is on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
- (17) UL – The clear PVC plastic material has been tested and conforms to UL94 Flame Class HB.
- (18) USDA – The PVC hose has been found chemically acceptable for use in slaughtering, processing, transporting, or storage areas in direct contact with meat or poultry food product prepared under Federal Inspection.
- (19) USP – The PVC compound has been tested and meets the requirements of the USP guidelines, for Class VI Plastics.

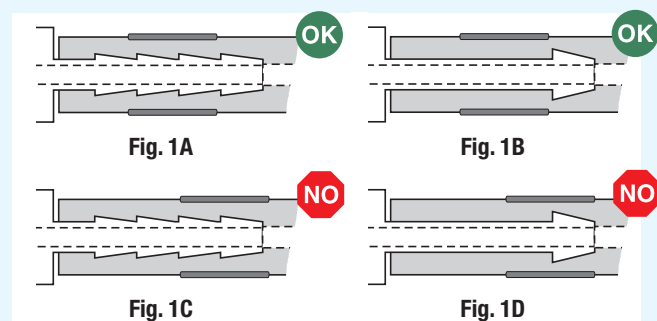
See Kuri Tec products on our web site for more details.

## Fitting Suggestions for Kuri Tec® Hose & Tubing

It is extremely important that the fitting and hose or tubing be properly matched in size and type. The insert should always be slightly larger than the tubing to create a slight expansion of the tube and provide a good consistent seal. If a clamp or ferrule is used to compress the hose, caution must be used to prevent over-crimping the ferrule or over-tightening the clamp. More pressure does not necessarily improve fitting retention.

We do not recommend the use of reusable fittings unless the hose and fitting have been specifically designed to be compatible and have been thoroughly tested in combination prior to use.

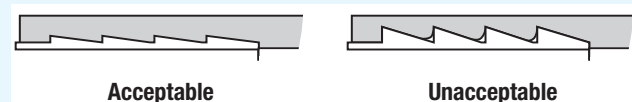
### Clamps over barbed fittings



In the illustrations above, the clamps are properly positioned in Figure 1A and 1B, directly over the middle barbs and behind the first barb. This is extremely important in the case of single-barb fittings, as shown in Figure 1B, since the barb is generally much larger than the shank of the fitting. The compressed material cannot pass over the barb when under tension, thus securely holding the fitting to the hose.

In Figures 1C and 1D, the clamp has been improperly positioned too close to the end of the fitting. In Figure 1C, only the barb nearest the end of the fitting is effective in maintaining fitting retention. The first two barbs serve no purpose whatsoever in providing fitting retention or leak resistance. In Fig. 1D, the situation is even worse, since the clamp can very easily cut the core tube over the enlarged barb, leading to leakage and subsequent cover blisters or bursts.

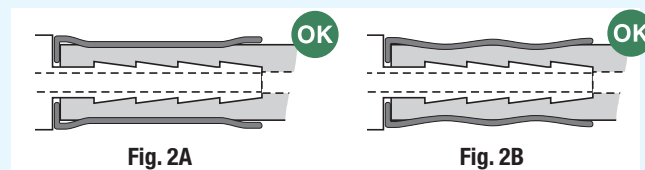
When choosing multi-barb fittings for use with Kuri Tec hose, as in Fig. 1A and 1C, it is important that the barbs not be too deep. The core tubes in Kuri Tec hoses are generally somewhat harder than conventional rubber tubes and therefore the material cannot flow into the deep barb, as it would with a soft rubber compound.



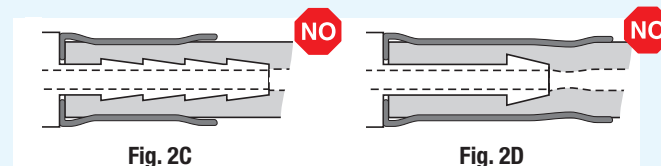
### Ferrules crimped over barbed fittings

When properly crimped, a metal ferrule over a multi-barbed fitting can provide excellent fitting retention and leak resistance. However, excessive crimping pressure can damage the core tube, leading to hose failure. Extreme care must also be taken to control the crimping

diameter for hydraulic fittings. For this reason, as a general rule we do not recommend the use of one-piece crimped hydraulic fittings with Kuri Tec hoses.



In figures 2A and 2B above, two styles of crimping die have been used successfully. The ferrules and fittings are properly matched in length.

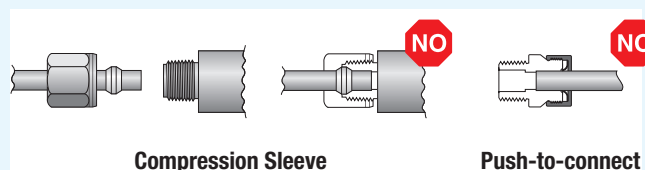


In Fig. 2C, the ferrule is much shorter than the barbed insert. Without the protection of the ferrule, repeated harsh flexing of the hose at the fitting can damage the tube. In addition, the short ferrule does not take full advantage of the sealing or retention properties of the barbed insert.

In figure 2D, there are two potential problems: 1) The excessively-long ferrule can reduce the inside diameter of the hose just beyond the fitting; and 2) a single-barb fitting is not the ideal insert for a crimped ferrule. Because of the increased depth of the single barb, the tube can be cut by the force of the crimping before sufficient compression is exerted on the shank of the fitting.

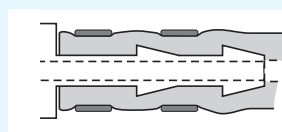
### Compression Fittings

Compression fittings depend solely on contact with the outer surface of the tubing to provide sealing and holding power. There is no seal on the inner surface of the tubing. With the exception of 220/221 Series LLDPE tubing, we do not recommend the use of compression fittings with Kuri Tec hose and tubing. To work properly, the material must be hard and smooth and there must be no yarn reinforcement layer.



### Fitting suggestions for Kuri Tec® spray hoses

In addition to the properly installed fittings shown in Fig. 1A, 1B, 2A and 2B above, we also suggest the use of a two-barb clamped fitting when high pressures are involved.



The double-barb fitting, held in place by two properly positioned clamps, provides excellent fitting retention and

leak resistance without risk of damage to the core tube or deterioration of the yarn reinforcement due to wicking.

### Hose failure near a fitting

A hose is most susceptible to failure near the fitting. The installation of the fitting involves some risk of damage to the core tube. There is also some possibility of slight leakage along a fitting and subsequent yarn wicking, particularly if a one-piece crimped fitting is used. The greatest amount of flexing often occurs near the fitting at either the supply or service end of the hose.

In the investigation of a hose failure near the fitting, it is essential that the fitting/hose interface be examined. In the field, if the failure or deterioration is isolated to the area near the fitting, it is best to cut off the end of the hose, reinstall a new fitting, and monitor the hose in service to see if the problem reoccurs.

If the problem involves a spray hose and fluid slowly leaking through the cover perforations near the fitting, the most likely cause is wicking along the reinforcing yarn from the end of the hose or from a cut or break in

the core tube. Such wicking can extend over several feet and a leak may be seen at a considerable distance from the source of the leak.

If a hose is being returned to the supplier for investigation of a failure, it is essential that the fitting . . . or at least the section of hose in contact with the fitting . . . be returned. Only by examining the inner surface of the tube that was in contact with the fitting can one determine with certainty if the problem began at the fitting.

## WARNING

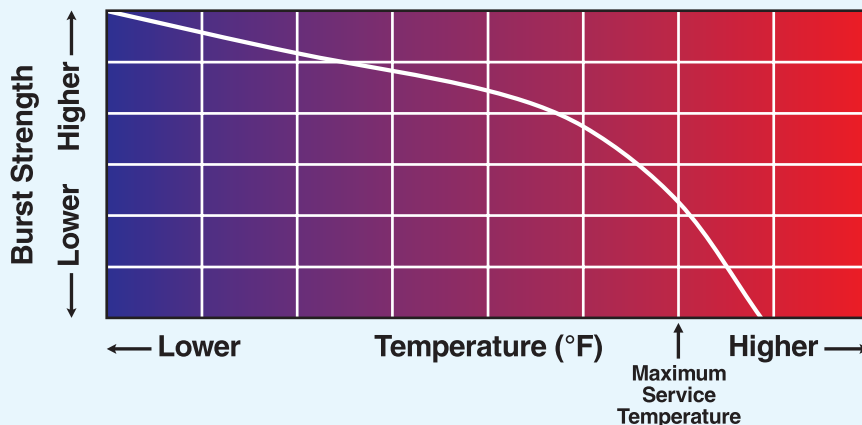
The above comments and fitting suggestions are intended for use as guidelines only. The information provided is based on tests which we believe to be reliable and on our past observations and experience. No warranty is expressed or implied, as applications and methods of fitting installation can vary widely. Before placing a hose in service, the user **must** determine the suitability of the fitting and hose/tube for his or her intended use. The user assumes all risk and liability resulting from the use of any Kuri Tec product with any fitting whatsoever.

## Temperature Dependence of Pressure Rating

As a general rule, the working pressure ratings for plastic reinforced hoses are based on room temperature conditions. The maximum allowable pressure for a hose decreases as the temperature increases and the material becomes softer and more elastic. Fitting retention decreases at higher temperatures as the compression on the material declines.

Working pressure ratings can be affected significantly by the type of fitting used, the method of attachment, and the temperature to which the hose assembly is exposed in service. Repeated intermittent periods of exposure to elevated temperatures can affect fitting retention and it is, therefore, very difficult to assign working pressure ratings at high temperatures. The graph below demonstrates the overall trend.

**Burst strength decreases as temperature increases**



## Working Pressure Ratings

Working pressure ratings are given in this catalog at 70°F and 122°F. Between 122°F and the maximum service temperature, it must be noted that a rapid decline in the pressure rating of the hose may occur, and all factors relating to the hose, fittings and service conditions must be taken into consideration.

No warranty is expressed or implied, as applications and methods of fitting installation may vary widely. Before placing a hose in service, the user **must** determine the suitability of the product under the correct working conditions, and assumes all risk and liability in connection therewith.

## Chemical Resistance Guide

Many new materials have been developed to handle the wide range of modern chemicals being used in industry today. Many of these materials are now being used in the construction of Kuri Tec® hose and tubing products.

The following guide has been prepared to assist the user in the selection of the correct hose for the application. The recommendations are based on the best chemical data available at the time of printing. This guide will be continuously reviewed and new information added as it becomes available.

A material's resistance to the effects of a chemical depends not only upon the particular chemical, but also on other factors such as length of exposure, service temperature, pressure, fluid velocity, and the relative concentration of each component in multi-component mixtures. Therefore, no guarantee is expressed or implied.

The chemical resistance ratings for materials are based on pure material samples and may not take into account specific factors related to the material when used in a hose or tube. It is always advisable that the product be tested under actual conditions.

Additionally, the Chemical Resistance Guide which follows does not imply conformance to any food handling regulations or federal or state/provincial laws governing hose and tubing applications.

Before using any Kuri Tec hose/tubing product with any chemical substance the user must determine the suitability of the product for his/her intended use. The user assumes all risk and liability for the use of any Kuri Tec product with any chemical or other substance.

### Key to Chemical Resistance Guide Ratings

- E = Excellent** — Little or no effect due to exposure to the chemical.
- G = Good** — Satisfactory service expected, but some deterioration may occur after lengthy exposure or under extreme conditions.
- L = Limited** — Variable resistance depending upon the conditions of use (e.g. nature of the chemical, its concentration, service temperature, pressure, etc.).
- U = Unsuitable** — Not resistant. Not recommended for use under any conditions.
- C = Cautionary** — Although the chemical resistance of the material may be good, special factors exist that must be considered in hose applications, such as regulatory issues, permeation of vapors, and safety, health or environmental concerns.
- = No Data**

**Key: E=Excellent G=Good L=Limited U=Unsatisfactory C=Cautionary – =No Data**

Material Handled	PVC		PVC/PU Blend		Rubber Blend		LLDPE		EVA		TPU	
	Temperature (°F)											
	70	150	70	125	70	150	70	150	70	150	70	150
Acetaldehyde	U	U	U	U	L	U	G	L	G	U	U	U
Acetate Solvents - Pure	U	U	U	U	G	L	E	G	L	U	L	U
Acetic Acid - Glacial	L	U	L	U	U	U	L	U	U	U	U	U
Acetic Acid 0-10%	E	G	G	G	E	G	E	G	E	E	U	U
Acetic Acid 10-20%	G	L	G	G	G	L	E	G	E	G	U	U
Acetic Acid 20-30 Pct	G	L	G	L	G	L	E	G	E	L	U	U
Acetic Acid 30-60%	G	L	G	L	L	L	G	L	L	U	U	U
Acetic Acid 80%	L	L	L	L	U	U	U	U	L	U	U	U
Acetic Acid Vapors	G	G	G	G	G	L	G	L	G	L	U	U
Acetic Anhydride	U	U	U	U	U	U	U	U	L	L	U	U
Acetone	U	U	U	U	L	U	E	G	L	U	L	U
Acetylene	C	C	C	C	U	U	U	U	U	U	C	C
Acrylonitrile	L	U	L	U	—	—	—	—	—	—	—	—
Adipic Acid	G	L	G	L	G	L	E	G	E	G	U	U
Alcohol (See Type)	—	—	—	—	—	—	—	—	—	—	—	—
Allyl Alcohol 96%	U	U	U	U	E	G	E	G	E	G	U	U
Allyl Chloride	U	U	U	U	G	L	G	L	L	U	U	U
Alum	E	E	E	E	E	E	E	E	E	G	E	E
Aluminum Chloride	E	E	E	E	G	G	G	G	G	C	G	G
Aluminum Fluoride	G	G	G	G	G	G	G	G	G	L	G	L
Aluminum Hydroxide	L	L	L	L	G	G	G	G	G	G	G	L
Aluminum Nitrate	E	E	E	E	E	E	E	E	E	—	L	L
Aluminum Oxychloride	E	E	E	E	G	G	G	G	G	—	—	—
Aluminum Sulfate	E	E	E	E	E	E	E	E	E	—	G	G
Ammonia - Aqueous	L	U	L	U	G	G	E	G	E	—	U	U
Ammonia - Dry Gas	L	U	L	U	E	E	E	G	E	—	U	U
Ammonia - Liquid	U	U	U	U	G	L	E	L	E	U	U	U
Ammonium Carbonate	E	E	E	E	E	E	E	E	E	—	E	E
Ammonium Chloride	E	E	E	E	E	E	E	E	E	—	G	L
Ammonium Fluoride 25%	U	U	U	U	G	G	G	G	G	—	L	U
Ammonium Hydroxide 28%	L	U	L	U	G	G	E	E	E	E	L	U
Ammonium Metaphosphate	E	E	E	E	G	G	G	G	E	E	G	G
Ammonium Nitrate	E	E	E	E	E	E	E	E	E	—	G	G
Ammonium Persulfate	E	E	E	E	E	E	E	E	E	—	G	G
Ammonium Phosphate	G	G	G	G	G	G	E	G	E	—	G	G
Ammonium Phosphate – Neutral	E	E	E	E	G	G	E	G	E	—	G	G
Ammonium Sulfate	E	E	E	E	E	E	E	E	E	—	E	E
Ammonium Sulfide	E	E	E	E	E	E	E	E	E	—	E	E
Ammonium Thiocyanate	E	E	E	E	E	E	E	E	E	—	G	G
Amyl Acetate	U	U	U	U	U	U	L	U	U	—	U	U
Amyl Alcohol	L	U	L	U	G	L	G	L	G	L	U	U
Amyl Chloride	U	U	U	U	U	U	U	U	U	—	—	—
Aniline	U	U	U	U	U	U	U	U	U	U	U	U
Aniline Chlorohydrate	U	U	U	U	U	U	U	U	U	U	U	U
Aniline Hydrochloride	U	U	U	U	U	U	U	U	U	U	U	U
Animal Oils	L	U	L	U	U	U	L	U	L	U	G	L
Anthraquinone	E	E	E	E	E	E	E	E	E	—	—	—
Anthraquinonesulfonic Acid	E	E	E	E	E	E	E	E	E	—	U	U
Antimony Trichloride	E	E	E	E	E	E	E	E	E	—	E	E
Apple (Sauce or Juice)	E	E	—	—	—	—	E	E	—	—	—	—
Aqua Regia	L	U	L	U	U	U	U	U	U	U	U	U
Aromatic Hydrocarbons	U	U	—	—	—	—	—	—	—	—	—	—
Arsenic Acid 80%	E	G	E	G	E	G	E	G	G	—	U	U

Material Handled	PVC		PVC/PU Blend		Rubber Blend		LLDPE		EVA		TPU	
	Temperature (°F)											
	70	150	70	125	70	150	70	150	70	150	70	150
Arylsulfonic Acid	L	U	L	U	–	–	–	–	–	–	U	U
Asphalt	L	U	L	U	L	U	L	U	U	U	G	L
ASTM #1 Oil	L	U	L	U	–	–	–	–	–	–	G	G
ASTM #3 Oil	L	U	L	U	–	–	–	–	–	–	G	G
ASTM Fuel A	L	U	L	U	–	–	–	–	–	–	G	G
ASTM Fuel B	U	U	U	U	–	–	–	–	–	–	G	L
ASTM Fuel C	U	U	U	U	–	–	–	–	–	–	G	L
Barium Carbonate	E	E	E	E	E	E	E	E	E	–	E	E
Barium Chloride	E	E	E	E	E	E	E	E	E	–	E	E
Barium Hydroxide	L	L	L	L	E	E	E	E	E	–	G	L
Barium Sulfate	E	E	E	E	E	E	E	E	E	–	E	E
Barium Sulfide	E	E	E	E	E	E	E	E	E	–	E	E
Beer	E	L	–	–	–	–	E	L	–	–	–	–
Beet-Sugar Liquor	E	E	–	–	E	E	E	E	E	–	–	–
Benzaldehyde	U	U	U	U	U	U	E	G	L	U	U	U
Benzene	U	U	L	U	U	U	E	L	U	U	L	U
Benzoic Acid	G	L	G	L	G	G	G	G	G	–	U	U
Benzol	U	U	L	U	U	U	U	U	U	U	L	U
Bismuth Carbonate	E	E	E	E	E	E	E	E	E	–	E	E
Black Liquor (Paper industry)	E	E	E	E	E	E	E	E	E	–	–	–
Bleach - 12.5% Active CL	G	L	G	L	G	L	G	L	G	–	L	U
Borax	E	E	E	E	E	E	E	E	E	–	E	E
Boric Acid	E	E	E	E	E	E	E	E	E	–	G	U
Boron Trifluoride	E	E	E	E	E	E	E	E	E	–	E	E
Brake Fluid	U	U	U	U	–	–	–	–	–	–	U	U
Brine	E	E	E	E	E	E	E	E	E	–	G	U
Bromic Acid	E	L	E	L	G	G	G	G	G	–	U	U
Bromine - Liquid	U	U	U	U	U	U	U	U	U	U	U	U
Bromine - Water	U	U	U	U	U	U	U	U	U	U	U	U
Butadiene	L	U	L	L	U	U	U	U	U	U	–	–
Butane	C	C	C	C	U	U	U	U	U	U	C	C
Butanol - Primary	U	U	U	U	E	G	E	G	G	–	L	U
Butanol - Secondary	U	U	U	U	E	G	E	G	G	–	L	U
Butter	L	L	–	–	–	–	L	L	–	–	–	–
Butyl Acetate	U	U	L	U	U	U	U	U	U	U	L	U
Butyl Alcohol	L	U	L	L	E	G	E	G	E	–	L	U
Butyl Cellosolve	U	U	U	U	G	L	E	G	–	–	–	–
Butyl Phenol	L	U	L	U	U	U	U	U	U	U	–	–
Butylene	C	C	C	C	U	U	U	U	U	–	C	C
Butyric Acid 20%	L	U	L	U	U	U	U	U	U	U	L	U
Calcium Bisulfite	E	E	E	E	E	E	E	E	E	–	E	E
Calcium Carbonate	E	E	E	E	E	E	E	E	E	–	E	E
Calcium Chlorate	E	E	E	E	E	E	E	E	E	–	G	L
Calcium Chloride	E	E	E	E	E	E	E	E	E	–	E	G
Calcium Hydroxide	L	L	L	L	E	E	E	E	E	–	G	L
Calcium Hypochlorite	E	E	E	E	E	E	G	E	G	–	U	U
Calcium Nitrate	E	E	E	E	E	E	E	E	E	–	E	E
Calcium Sulfate	E	E	E	E	E	E	E	E	E	–	E	E
Cane Sugar Liquors	E	E	–	–	G	G	G	G	G	–	–	–
Carbon Bisulfide	U	U	U	U	U	U	U	U	U	U	–	–
Carbon Dioxide (Aqueous Solution)	E	E	E	E	E	E	E	E	E	–	E	E
Carbon Dioxide Gas (Wet)	E	E	E	E	E	E	E	E	E	–	E	E
Carbon Monoxide	E	E	E	E	G	G	G	G	G	–	E	E

Key: E=Excellent G=Good L=Limited U=Unsatisfactory C=Cautionary - =No Data

Material Handled	PVC		PVC/PU Blend		Rubber Blend		LLDPE		EVA		TPU	
	Temperature (°F)											
	70	150	70	125	70	150	70	150	70	150	70	150
Carbon Tetrachloride	U	U	L	U	U	U	L	U	U	U	L	U
Carbonic Acid	L	U	G	G	G	G	G	G	G	G	U	U
Casein	E	L	E	E	E	E	E	E	E	E	-	E
Castor Oil	E	E	E	E	U	U	L	U	L	U	E	E
Catsup	E	G	-	-	-	-	-	-	-	-	-	-
Caustic Potash	L	L	L	L	L	L	L	L	L	-	L	U
Caustic Soda	L	L	L	L	G	L	L	L	G	-	L	U
Cellosolve	L	U	G	L	G	L	G	L	L	U	G	L
Chloroacetic Acid	E	U	E	U	U	U	G	L	U	U	U	U
Chloral Hydrate	E	E	E	E	U	U	U	U	L	U	G	L
Chloric Acid 20%	E	E	E	E	-	-	-	-	-	-	U	U
Chlorinated Hydrocarbons	U	U	U	U	U	U	U	U	U	U	U	U
Chlorine Gas (Dry)	G	G	G	G	U	U	U	U	U	U	U	U
Chlorine Gas (Moist)	L	U	L	L	U	U	U	U	U	U	U	U
Chlorine Water 2%	G	L	G	L	L	U	G	L	G	L	L	U
Chlorine Water Saturated	L	U	L	U	-	-	E	G	E	L	-	-
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	L	U	U	U	U	U
Chlorosulfonic Acid	L	U	L	U	U	U	U	U	U	U	U	U
Chrome Alum	E	E	E	E	G	G	E	G	E	G	E	E
Chromic Acid 10%	G	L	G	L	G	L	G	L	G	-	U	U
Chromic Acid 25%	G	L	G	L	G	L	G	L	G	-	U	U
Chromic Acid 30%	L	U	L	U	L	U	L	U	L	U	U	U
Chromic Acid 40%	L	U	L	U	L	U	L	U	L	U	U	U
Chromic Acid 50%	L	U	L	U	L	U	L	U	L	U	U	U
Chromic Acid Plating Solution	-	-	-	-	-	-	-	-	E	E	U	U
Cider	E	L	-	-	-	-	E	G	E	L	-	-
Citric Acid	E	E	E	E	E	E	E	E	E	E	U	U
Coal Tar	U	U	U	U	U	U	U	U	U	U	U	U
Coconut Oil	G	L	E	G	G	L	G	L	L	U	E	E
Copper Chloride	E	E	E	E	E	E	E	E	E	-	E	E
Copper Cyanide	E	E	E	E	E	E	E	E	E	-	-	-
Copper Fluoride 2%	E	E	E	E	E	E	E	E	E	-	E	E
Copper Nitrate	E	G	E	E	E	G	E	G	E	-	E	E
Copper Sulfate	E	G	E	E	E	E	E	E	E	-	E	E
Corn Oils	E	G	-	-	-	-	L	U	-	-	-	-
Cottonseed Oil	G	L	E	E	E	G	E	G	E	-	E	E
Creosote	U	U	U	U	U	U	U	U	U	U	-	-
Cresol	U	U	-	-	U	U	U	U	U	U	L	U
Cresylic Acid 50%	U	U	L	L	U	U	U	U	U	U	U	U
Crude Oil - Sour	L	U	L	U	U	U	U	U	U	U	E	E
Crude Oil - Sweet	L	U	L	U	U	U	U	U	U	U	E	E
Cyclohexane	U	U	U	U	L	U	G	G	L	U	G	L
Cyclohexanol	U	U	U	U	L	U	G	L	E	L	L	U
Cyclohexanone	U	U	U	U	U	U	G	L	E	L	U	U
Demineralized Water	E	E	E	E	E	E	E	E	E	E	E	L
Dextrin	E	E	E	E	E	E	E	E	E	-	E	E
Dextrose	E	G	-	-	E	E	E	E	E	-	E	E
Di-acetone Alcohol	-	-	-	-	-	-	E	G	-	-	-	-
Diazo Salts	E	E	E	E	E	G	E	G	E	-	-	-
Dichlorobenzene	U	U	U	U	-	-	L	U	U	U	-	-
Diesel Oils	L	U	L	U	-	-	-	-	-	-	G	L
Diethyl Ether	U	U	U	U	-	-	G	L	U	U	G	L

Material Handled	PVC		PVC/PU Blend		Rubber Blend		LLDPE		EVA		TPU	
	Temperature (°F)											
	70	150	70	125	70	150	70	150	70	150	70	150
Diethylene Glycol	G	L	G	L	E	L	E	G	G	L	U	U
Diglycolic Acid	E	G	E	E	E	G	E	G	E	—	—	—
Di-isodecyl Phthalate	U	U	—	—	—	—	—	—	—	—	—	—
Dimethylamine	U	U	U	U	U	U	U	U	U	U	U	U
Dioctyl Phthalate	U	U	U	U	—	—	G	L	G	U	—	—
Disodium Phosphate	E	E	E	E	E	E	E	E	E	—	E	E
Distilled Water	E	E	E	E	E	E	E	E	E	E	E	L
Ethers	U	U	L	U	U	U	G	L	U	U	G	L
Ethyl Acetate	U	U	L	U	L	U	E	G	L	U	L	U
Ethyl Acrylate	U	U	U	U	—	—	—	—	—	—	—	—
Ethyl Alcohol 0-50%	G	L	E	G	G	L	E	E	G	L	G	L
Ethyl Alcohol 50-98%	L	U	G	L	L	U	E	G	L	U	E	G
Ethyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U
Ethyl Ether	U	U	U	U	U	U	U	U	U	U	G	L
Ethylene Bromide	E	U	U	U	U	U	U	U	U	U	U	U
Ethylene Dichloride	U	U	U	U	U	U	U	U	U	U	U	U
Ethylene Glycol	E	E	E	E	E	G	E	G	E	G	G	L
Ethylene Oxide	U	U	U	U	U	U	U	U	U	U	U	U
Fatty Acids	E	E	E	E	G	L	G	L	L	U	G	L
Ferric Chloride	E	E	E	E	E	E	E	E	E	—	E	E
Ferric Nitrate	E	E	E	E	E	E	E	E	E	—	E	E
Ferric Sulfate	E	E	E	E	E	E	E	E	E	—	E	E
Ferrous Chloride	E	E	E	E	E	E	E	E	E	—	E	E
Ferrous Sulfate	E	E	E	E	E	E	E	E	E	—	E	E
Fish Solubles	E	E	E	U	E	E	E	E	E	—	E	G
Fluorine Gas - Dry	U	U	U	U	U	U	U	U	U	U	U	U
Fluorine Gas - Wet	U	U	U	U	U	U	U	U	U	U	U	U
Fluoroboric Acid	E	E	E	E	E	E	E	G	E	—	E	E
Fluorosilicic Acid	E	E	E	E	G	L	G	L	G	—	U	U
Foric Acid	E	L	E	L	E	G	E	G	E	E	U	U
Formaldehyde (40% Aqueous)	U	U	G	G	G	L	G	L	E	G	—	—
Formic Acid 3%	—	—	—	—	—	—	—	—	E	E	—	—
Formic Acid 10%	—	—	—	—	—	—	—	—	E	E	—	—
Formic Acid 25%	—	—	—	—	—	—	—	—	E	E	—	—
Formic Acid 50%	—	—	—	—	—	—	—	—	E	E	—	—
Formic Acid 100%	—	—	—	—	—	—	—	—	U	U	—	—
Freon-12	L	U	G	L	G	L	G	L	G	—	E	E
Fructose	E	E	—	—	E	E	E	E	E	—	E	E
Fruit Pulps and Juices	E	E	—	—	E	E	E	E	E	—	E	E
Fuel Oil	G	L	G	L	U	U	G	U	U	U	E	G
Furfural	U	U	U	U	U	U	U	U	U	U	U	U
Furfuryl Alcohol	—	—	—	—	—	—	—	—	U	U	—	—
Gallic Acid	E	E	E	E	E	E	E	E	E	—	—	—
Gas - Coke Oven	G	G	G	G	—	—	—	—	—	—	G	G
Gas - Natural (Dry)	C	C	C	C	U	U	U	U	U	U	C	C
Gas - Natural (Wet)	C	C	C	C	U	U	U	U	U	U	C	C
Gasoline	U	U	U	U	U	U	G	L	—	—	E	G
Gasoline - Refined	L	U	G	U	L	U	L	U	U	U	E	G
Gasoline - Sour	L	U	G	U	U	U	U	U	U	U	E	G
Gelatine	E	E	E	E	E	E	E	E	E	—	E	E
Glucose	E	E	E	E	E	E	E	E	E	—	E	E
Glycerine (Glycerol)	E	E	E	E	E	E	E	E	E	—	E	E
Glycol	E	E	E	E	E	E	E	E	E	—	G	G

**Key: E=Excellent G=Good L=Limited U=Unsatisfactory C=Cautionary – =No Data**

Material Handled	PVC		PVC/PU Blend		Rubber Blend		LLDPE		EVA		TPU	
	Temperature (°F)											
	70	150	70	125	70	150	70	150	70	150	70	150
Glycolic Acid 30%	E	E	E	E	E	E	E	E	E	–	U	U
Grease	E	L	E	G	–	–	–	–	–	–	E	G
Green Liquor (Paper industry)	E	E	E	E	E	E	E	E	E	–	–	–
Heptane	L	U	G	U	U	U	U	U	U	U	E	–
Hexadecanol	–	–	–	–	–	–	–	U	U	U	–	–
Hexane	L	U	L	U	G	L	E	E	–	–	–	–
Hexanol, Tertiary	L	U	L	U	G	L	G	L	L	U	G	–
Hydrobromic Acid 20%	E	G	E	G	G	G	G	G	G	–	U	U
Hydrochloric Acid 10%	E	G	E	G	E	E	E	E	E	E	U	U
Hydrochloric Acid 48%	E	G	E	G	E	G	E	G	G	–	U	U
Hydrofluoric Acid 4%	G	G	G	G	G	G	G	G	E	E	U	U
Hydrofluoric Acid 10%	G	L	G	L	G	G	G	G	E	E	U	U
Hydrofluoric Acid 48%	G	U	G	L	G	L	G	L	E	E	U	U
Hydrofluoric Acid 60%	G	U	G	U	G	L	G	L	E	E	U	U
Hydrofluorosilic Acid	G	L	G	L	–	–	–	–	–	–	U	U
Hydrogen	C	C	C	C	C	C	C	C	C	–	C	C
Hydrogen Bromide (Dry)	–	–	–	–	–	–	–	–	E	E	–	–
Hydrogen Chloride (Dry)	–	–	–	–	–	–	–	–	E	E	–	–
Hydrogen Cyanide	C	C	C	C	C	C	C	C	C	C	U	U
Hydrogen Peroxide 3 -12%	E	G	E	G	G	L	G	L	G	L	G	L
Hydrogen Peroxide 30%	E	G	E	G	G	L	G	L	G	L	G	L
Hydrogen Peroxide 50%	E	L	E	L	L	U	L	U	U	U	L	U
Hydrogen Peroxide 90%	U	U	U	U	U	U	U	U	U	U	U	U
Hydrogen Phosphide	E	L	E	L	G	G	G	G	E	E	–	–
Hydrogen Sulfide (Aqueous Solution)	E	E	E	E	E	G	E	G	E	–	–	–
Hydrogen Sulfide - Dry	E	E	E	E	E	G	E	G	E	–	–	–
Hydrombromic Acid 20%	E	G	E	G	G	G	G	G	G	–	U	U
Hydroquinone	E	E	E	E	E	E	E	E	E	–	E	E
Hypochlorous Acid	E	E	E	E	E	G	E	G	L	U	L	U
Inks	–	–	–	–	–	–	E	E	E	E	–	–
Iodine (In Alcohol)	U	U	U	U	U	U	U	U	U	U	U	U
Iso-octane	L	U	L	U	–	–	–	–	–	–	–	–
Isopropyl Acetate	U	U	–	–	–	–	–	–	–	–	–	–
Isopropylalcohol	E	G	E	G	E	E	E	E	E	–	–	–
Jelly	E	E	–	–	–	–	–	–	–	–	–	–
Jet Fuels JP 3, 4, 5	U	U	U	U	U	U	–	–	–	–	G	L
Kerosene	U	U	L	U	U	U	L	U	U	U	E	G
Ketones	U	U	U	U	L	U	E	G	L	U	G	L
Kraft Liquor (Paper industry)	E	E	E	E	E	G	E	G	G	–	–	–
Lacquer Thinners	U	U	U	U	G	L	E	G	L	U	G	–
Lactic Acid 28%	E	E	E	E	E	E	E	E	E	–	L	U
Lard Oil	E	G	E	E	G	L	G	L	G	L	E	G
Lauric Acid	E	E	E	E	–	–	L	U	–	–	L	U
Lauryl Chloride	E	E	E	E	L	U	L	U	L	–	E	G
Lauryl Sulfate	E	E	E	E	U	U	U	U	U	U	–	–
Lead Acetate	E	E	E	E	E	E	E	E	E	–	E	E
Lead Arsenate	E	E	E	E	–	–	–	–	E	E	–	–
Lead Nitrate	E	E	E	E	–	–	–	–	E	E	–	–
Lead Tetra-ethyl	E	E	E	E	–	–	–	–	E	E	–	–
Lemon Juice	E	G	–	–	–	–	–	–	–	–	–	–
Lime Sulfur	E	E	E	E	G	G	G	G	G	–	–	–
Linoleic Acid	E	E	E	E	–	–	–	–	–	–	L	U

Material Handled	PVC		PVC/PU Blend		Rubber Blend		LLDPE		EVA		TPU	
	Temperature (°F)											
	70	150	70	125	70	150	70	150	70	150	70	150
Linseed Oil	E	E	E	E	U	U	L	U	L	U	E	E
Liquors (Chemical)	E	G	E	G	—	—	E	G	E	G	—	—
Lubricating Oils	G	L	G	G	U	U	U	U	U	U	E	E
Magnesium Carbonate	E	E	E	E	E	E	E	E	E	—	E	E
Magnesium Chloride	E	E	E	E	E	E	E	E	E	—	E	E
Magnesium Hydroxide	L	L	L	L	E	E	E	E	E	—	G	L
Magnesium Nitrate	E	E	E	E	E	E	E	E	E	—	E	E
Magnesium Sulfate	E	E	E	E	E	E	E	E	E	—	E	E
Maleic Acid 25% Aqueous	E	E	E	E	G	G	G	G	E	E	L	U
Maleic Acid 50%	—	—	—	—	—	—	E	E	E	E	—	—
Maleic Acid Concentrated	—	—	—	—	—	—	E	G	E	G	—	—
Malic Acid	E	E	E	E	G	G	G	G	G	—	L	U
Mayonnaise	E	E	—	—	—	—	—	—	—	—	—	—
Mercuric Chloride	G	L	G	G	G	G	G	G	G	G	G	L
Mercuric Cyanide	U	U	U	U	G	G	G	G	G	G	—	—
Mercurous Nitrate	G	G	G	G	G	G	G	G	G	—	G	G
Mercury	G	G	G	G	G	G	G	G	G	L	—	—
Methyl Acetate	U	U	U	U	—	—	—	—	U	U	—	—
Methyl Alcohol	L	U	L	U	G	G	E	G	E	—	L	U
Methyl Bromide	U	U	U	U	—	—	—	—	U	U	—	—
Methyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U
Methyl Ethyl Ketone	U	U	U	U	L	U	E	G	L	U	L	U
Methyl Isobutyl Ketone	U	U	U	U	L	U	E	G	L	U	—	—
Methyl Sulfate	E	G	E	G	—	—	—	—	—	—	E	G
Methyl Sulfuric Acid	E	E	E	E	G	G	G	G	E	E	U	U
Methylated Spirit	—	—	—	—	—	—	—	—	E	G	—	—
Methylene Chloride	U	U	L	U	U	U	U	U	U	U	U	U
Milk	E	E	—	—	—	—	E	E	G	L	—	—
Mineral Oils	G	L	E	E	L	U	L	U	L	U	E	E
Mineral Spirits	—	—	—	—	—	—	E	G	—	—	—	—
Molasses	E	E	E	E	E	E	E	E	E	—	E	E
Monochlorobenzene	U	U	U	U	—	—	—	—	—	—	—	—
Naphtha	U	U	L	U	U	U	G	L	U	U	G	U
Napthalene	U	U	U	U	L	U	L	U	U	U	—	—
Nickel Acetate	E	E	E	E	E	E	E	E	E	—	E	E
Nickel Chloride	E	E	E	E	E	E	E	E	E	—	E	E
Nickel Nitrate	E	E	E	E	E	E	E	E	E	—	E	E
Nickel Sulphate	E	E	E	E	E	E	E	E	E	—	E	E
Nicotine	E	E	E	E	E	E	E	E	E	—	C	C
Nicotine Acid	E	G	E	E	E	E	E	E	E	—	C	C
Nitric Acid (Anhydrous)	U	U	U	U	U	U	U	U	U	U	U	U
Nitric Acid 10%	E	G	G	L	G	L	G	G	G	G	U	U
Nitric Acid 25%	G	L	G	L	G	L	G	G	G	L	U	U
Nitric Acid 35%	G	L	G	L	L	U	G	U	L	U	U	U
Nitric Acid 40%	G	L	G	L	L	U	L	U	L	U	U	U
Nitric Acid 50%	G	U	G	U	L	U	L	U	L	U	U	U
Nitric Acid 60%	G	U	G	U	U	U	L	U	U	U	U	U
Nitric Acid 68%	L	U	L	U	U	U	U	U	U	U	U	U
Nitric Acid 70%	U	U	U	U	U	U	U	U	U	U	U	U
Nitrobenzene	U	U	U	U	U	U	U	U	U	U	U	U
Nitrous Oxide	E	E	E	E	—	—	—	—	—	—	E	E
Oils and Fats	E	G	E	E	G	L	G	L	G	U	E	E
Oils, Petroleum	E	G	E	E	G	L	G	L	G	U	E	E
Oleic Acid	G	L	G	L	L	U	L	U	U	U	U	U

**Key: E=Excellent G=Good L=Limited U=Unsatisfactory C=Cautionary –=No Data**

Material Handled	PVC		PVC/PU Blend		Rubber Blend		LLDPE		EVA		TPU	
	Temperature (°F)											
	70	150	70	125	70	150	70	150	70	150	70	150
Oleum	U	U	U	U	U	U	U	U	U	U	U	U
Orange Juice	E	E	—	—	—	—	G	L	—	—	—	—
Oxalic Acid	E	G	E	G	G	G	E	G	G	G	U	U
Oxygen	E	G	E	G	G	—	G	L	G	L	E	E
Ozone	L	U	L	U	U	U	L	U	U	U	—	—
Palmitic Acid 10%	E	E	E	E	G	L	G	L	E	G	U	U
Palmitic Acid 70%	L	U	L	U	G	U	G	U	L	U	U	U
Paraffin	E	G	E	G	—	—	G	L	L	U	E	G
Pentane	L	U	L	U	—	—	E	G	—	—	—	—
Peracetic Acid 40%	U	U	U	U	—	—	—	—	—	—	U	U
Perchlorethylene	U	U	U	U	U	U	—	—	—	—	—	—
Perchloric Acid 10%	G	L	G	L	G	G	G	G	G	G	U	U
Perchloric Acid 70%	L	U	L	U	G	L	G	L	G	—	U	U
Petrol	U	U	U	U	U	U	—	—	U	U	—	—
Petroleum Ether	L	L	L	L	—	—	—	—	U	U	—	—
Phenol	U	U	U	U	U	U	U	U	U	U	U	U
Phenylhydrazine	U	U	U	U	L	U	L	U	—	—	—	—
Phenylhydrazine Hydrochloride	L	U	L	U	L	U	L	U	—	—	—	—
Phosgene (Gas)	C	C	C	C	—	—	—	—	C	U	—	—
Phosgene (Liquid)	U	U	—	—	—	—	—	—	—	—	—	—
Phosphoric Acid 0-25%	E	G	E	G	E	G	E	G	E	G	U	U
Phosphoric Acid 25-50%	E	G	E	G	E	G	E	G	E	G	U	U
Phosphoric Acid 50-90%	E	G	E	G	G	L	G	L	E	L	U	U
Phosphorus (Yellow)	G	L	G	L	L	L	L	L	U	U	—	—
Phosphorus Pentoxide	L	U	L	U	L	L	G	L	G	L	—	—
Phosphorus Trichloride	U	U	U	U	L	U	L	U	L	U	—	—
Photographic Developers	L	U	L	U	—	—	E	E	E	E	L	—
Photographic Emulsions	L	U	L	U	—	—	E	E	E	E	—	—
Photographic Fixers	L	U	L	U	—	—	E	E	E	E	—	—
Picric Acid	U	U	U	U	G	U	G	U	G	L	U	U
Pitch	G	L	G	L	—	—	E	G	—	—	—	—
Plating Solutions												
Brass	E	E	E	E	G	G	G	G	L	—	E	E
Cadmium	E	E	E	E	G	G	G	G	L	—	E	E
Chromium	G	G	G	G	U	U	U	U	U	U	G	G
Copper	E	E	E	E	G	G	G	G	L	—	E	E
Gold	E	E	E	E	G	G	G	G	L	—	E	E
Jodium	E	E	E	E	G	G	G	G	L	—	E	E
Lead	E	E	E	E	G	G	G	G	L	—	E	E
Nickel	E	E	E	E	G	G	G	G	L	—	E	E
Rhodium	E	E	E	E	G	G	G	G	L	—	E	E
Silver	E	E	E	E	G	G	G	G	L	—	E	E
Tin	E	E	E	E	G	G	G	G	L	—	E	E
Zinc	E	G	E	E	G	G	G	G	L	—	E	E
Potable Water	E	G	—	—	—	—	E	E	E	G	—	—
Potassium Acid Sulfate	E	E	E	E	E	G	E	G	G	—	E	E
Potassium Antimonate	E	E	E	E	E	E	E	E	E	—	E	E
Potassium Bicarbonate	E	E	E	E	E	E	E	E	E	—	E	E
Potassium Bichromate	E	E	E	E	E	E	E	E	E	—	E	E
Potassium Bisulfite	E	E	E	E	E	E	E	E	E	—	E	E
Potassium Bisulphate	G	L	—	—	—	—	E	E	E	—	—	—
Potassium Borate 1%	E	E	E	E	E	E	E	E	E	—	E	E
Potassium Bromate 10%	E	E	E	E	E	G	E	G	E	—	E	E

Material Handled	PVC		PVC/PU Blend		Rubber Blend		LLDPE		EVA		TPU	
	Temperature (°F)											
	70	150	70	125	70	150	70	150	70	150	70	150
Potassium Bromide	E	E	E	E	E	G	E	G	E	—	E	E
Potassium Carbonate	E	E	E	E	E	E	E	E	E	—	E	E
Potassium Chlorate	E	E	E	E	E	E	E	E	E	—	G	G
Potassium Chloride	E	E	E	E	E	E	E	E	E	—	E	G
Potassium Chromate 40%	E	E	E	E	E	E	E	E	E	—	G	G
Potassium Cuprocyanide	E	E	E	E	E	E	E	E	E	—	—	—
Potassium Cyanide	C	C	C	C	C	C	C	C	C	C	C	C
Potassium Dichromate 40%	E	E	E	E	E	E	E	E	E	—	G	G
Potassium Ferricyanide	E	E	E	E	E	E	E	E	E	—	E	E
Potassium Fluoride	E	E	E	E	E	E	E	E	E	—	E	G
Potassium Hydroxide 10%	L	L	L	L	E	E	E	E	E	—	L	U
Potassium Hydroxide 20%	L	L	L	L	E	E	E	E	E	—	U	U
Potassium Hydroxide 35%	U	U	U	U	G	L	E	G	G	—	U	U
Potassium Hydroxide Conc.	U	U	U	U	—	—	—	—	E	L	—	—
Potassium Hypochlorite	G	L	G	L	G	G	G	L	E	—	U	U
Potassium Nitrate	E	E	E	E	G	G	G	G	E	E	E	E
Potassium Perborate	E	E	E	E	G	L	G	L	E	E	E	E
Potassium Perchlorite	E	E	E	E	G	G	G	G	G	—	G	L
Potassium Permanganate 10%	G	G	E	E	E	E	E	E	U	U	G	L
Potassium Persulfate	E	E	E	E	E	E	E	E	E	—	E	E
Potassium Phosphate	—	—	—	—	—	—	—	—	E	E	—	—
Potassium Sulfate	E	E	E	E	E	E	E	E	E	—	E	E
Potassium Sulfide	E	E	E	E	E	E	E	E	E	—	E	E
Potassium Thiosulfate	E	E	E	E	E	E	E	E	E	—	E	E
Power Steering Fluid	E	L	E	L	—	—	—	—	—	—	E	E
Propane	C	C	C	C	U	U	U	U	U	U	C	C
Propargyl Alcohol	E	E	E	E	G	G	G	G	E	E	—	—
Propyl Alcohol	E	L	E	E	E	E	E	E	E	—	G	L
Propylene Dichloride	U	U	U	U	U	U	U	U	U	U	U	U
Propylene Glycol	—	—	—	—	—	—	—	—	E	E	—	—
Prune Juice	E	E	—	—	—	—	—	—	—	—	—	—
Ritchfield "A" Weed Killer	E	L	E	G	—	—	—	—	—	—	—	—
Salicylic Acid	—	—	—	—	—	—	—	—	E	E	—	—
Salt Water	E	E	E	E	E	E	E	E	E	E	E	L
Selenic Acid	E	G	E	G	G	L	G	L	G	L	U	U
Shortening	G	L	—	—	—	—	E	E	E	E	—	—
Silicic Acid	E	E	E	E	E	E	E	E	E	—	U	U
Silicone Fluids	—	—	—	—	—	—	—	—	E	E	—	—
Silver Cyanide	E	E	E	E	E	E	E	E	E	—	E	E
Silver Nitrate	E	E	E	E	E	E	E	E	E	—	E	E
Silver Plating Solutions	E	G	E	G	E	G	E	G	E	—	E	E
Soap Solution	E	G	E	G	E	G	G	L	G	L	G	U
Sodium Acetate	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Acid Sulfate	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Antimonate	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Arsenite	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Benzoate	E	G	E	E	E	E	E	E	E	—	E	E
Sodium Bicarbonate	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Bisulfate	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Bisulfite	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Bromide	E	E	E	E	E	E	E	E	E	—	E	G
Sodium Carbonate (Soda Ash)	E	E	E	E	E	E	E	E	E	—	E	E

**Key: E=Excellent G=Good L=Limited U=Unsatisfactory C=Cautionary - =No Data**

Material Handled	PVC		PVC/PU Blend		Rubber Blend		LLDPE		EVA		TPU	
	Temperature (°F)											
	70	150	70	125	70	150	70	150	70	150	70	150
Sodium Chlorate	G	L	G	L	E	E	E	E	E	—	G	G
Sodium Chloride	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Cyanide	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Dichromate	E	G	E	G	E	E	E	E	E	—	E	G
Sodium Ferricyanide	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Ferrocyanide	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Fluoride	E	E	E	E	E	E	E	E	E	—	E	G
Sodium Hydroxide 10%	L	L	L	L	E	E	E	E	E	—	G	L
Sodium Hydroxide 35%	U	U	U	U	E	E	E	E	E	—	L	U
Sodium Hydroxide 50%	U	U	U	U	—	—	—	—	—	—	—	—
Sodium Hypochlorite	E	E	E	E	E	E	E	E	E	—	U	U
Sodium Nitrate	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Nitrite	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Phosphate-Acid	G	G	G	G	E	E	E	E	E	—	U	U
Sodium Silicate	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Sulfate	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Sulfide	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Sulfite	E	E	E	E	E	E	E	E	E	—	E	E
Sodium Thiosulfate (Hypo)	E	E	E	E	E	E	E	E	E	—	E	G
Soft Drinks	E	G	—	—	—	—	E	E	G	L	—	—
Soya Oil	E	G	—	—	—	—	—	—	—	—	—	—
Soybean Oil	G	L	—	—	—	—	—	—	—	—	—	—
Stannic Chloride	E	E	E	E	E	E	E	E	E	—	E	G
Stannous Chloride	E	G	E	G	E	E	E	E	E	—	E	G
Starch	—	—	—	—	—	—	—	—	E	E	—	—
Stearic Acid	L	L	L	L	E	E	E	E	E	—	L	U
Stoddard Solvent	L	U	G	L	G	L	G	L	L	U	G	U
Styrene	U	U	U	U	—	—	—	—	—	—	—	—
Sucrose	—	—	—	—	—	—	—	—	E	E	—	—
Sulfur	G	G	G	G	E	E	E	E	E	—	—	—
Sulfuric Acid 0-10%	E	G	E	G	E	G	E	G	G	—	U	U
Sulfuric Acid 10-40%	E	G	E	G	G	G	G	G	G	G	U	U
Sulfuric Acid 50-60%	E	G	E	G	G	L	G	L	G	L	U	U
Sulfuric Acid 70%	E	G	E	G	L	U	L	U	L	U	U	U
Sulfuric Acid 95%	U	U	U	U	U	U	U	U	U	U	U	U
Sulfuric Acid 95% to Fuming	L	L	L	L	U	U	U	U	U	U	U	U
Sulfurous Acid	E	E	E	E	G	L	G	L	L	U	U	U
Sulphur Dioxide - Liquid	L	U	L	U	U	U	U	U	U	U	—	—
Sulphur Dioxide Gas - Dry	E	E	E	E	G	G	G	G	E	G	—	—
Sulphur Dioxide Gas - Wet	L	U	L	U	G	L	G	L	E	L	—	—
Sulphur Trioxide	E	G	E	G	U	U	U	U	U	U	—	—
Sulphurous Acid 10%	—	—	—	—	—	—	—	—	E	E	—	—
Sulphurous Acid 30%	—	—	—	—	—	—	—	—	U	U	—	—
Tallow	—	—	—	—	—	—	—	—	E	U	—	—
Tannic Acid	E	E	E	E	E	E	E	E	E	E	L	U
Tanning Extracts	—	—	—	—	—	—	—	—	E	E	—	—
Tanning Liquors	E	E	E	E	G	L	G	L	L	—	—	—
Tartaric Acid	E	E	E	E	E	E	E	E	E	—	L	U
Tea (Brewed)	E	G	—	—	—	—	E	G	G	L	—	—
Tetraethyl Lead	G	L	G	G	—	—	—	—	—	—	G	G
Tetrahydrofurane	U	U	U	U	U	U	U	U	U	U	U	U
Thionyl Chloride	U	U	U	U	U	U	U	U	U	U	U	U
Tin Chloride	E	E	E	E	—	—	—	—	—	—	E	E
Titanium Tertachloride	E	U	E	U	—	—	—	—	—	—	L	U

Material Handled	PVC		PVC/PU Blend		Rubber Blend		LLDPE		EVA		TPU	
	Temperature (°F)											
	70	150	70	125	70	150	70	150	70	150	70	150
Titanium Trichloride	—	—	—	—	—	—	—	—	U	U	—	—
Toluol or Toluene	U	U	L	U	U	U	E	G	U	U	L	U
Tomato Juice	E	E	—	—	—	—	G	L	L	U	—	—
Transformer Oil	—	—	—	—	—	—	—	—	U	U	—	—
Transmission Fluid	E	L	E	L	—	—	—	—	—	—	E	E
Tributyl Phosphate	U	U	U	U	—	—	—	—	—	—	—	—
Trichlorobenzene	U	U	U	U	—	—	—	—	U	U	—	—
Trichloroethylene	U	U	L	U	U	U	G	L	U	U	L	U
Tricresyl Phosphate	U	U	U	U	L	L	L	L	U	U	U	U
Triethanolamine	L	U	G	U	G	L	G	L	L	—	—	—
Triethylamine	G	L	G	L	—	—	—	—	—	—	—	—
Trimethyl Propane	L	U	L	U	—	—	—	—	—	—	—	—
Trisodium Phosphate	E	E	E	E	E	E	E	E	E	—	E	E
Turpentine	L	U	G	L	L	U	G	L	U	—	E	G
Urea	E	E	E	E	E	E	E	E	E	—	E	E
Urine	E	E	E	E	E	E	E	E	E	—	E	E
Varnish	U	U	U	U	G	L	G	L	U	U	E	G
Varsol	—	—	—	—	—	—	E	G	—	—	—	—
Vegetable Oils	G	L	G	L	—	—	—	—	U	U	—	—
Vinegar	E	E	—	—	E	G	E	G	E	—	G	L
Vinyl Acetate	U	U	U	U	L	U	L	U	U	U	U	U
Vinyl Chloride	U	U	U	U	—	—	—	—	—	—	—	—
Water-Acid Mine Water	E	E	E	E	E	E	E	E	E	—	G	U
Water-Distilled	E	E	E	E	E	E	E	E	E	—	G	U
Water-Fresh	E	E	E	E	E	E	E	E	E	—	G	U
Water-Salt	E	E	E	E	E	E	E	E	E	—	G	U
Whey	E	G	—	—	—	—	G	L	G	L	—	—
Whiskey	L	U	—	—	—	—	E	L	—	—	—	—
White Gasoline	E	E	E	E	U	U	U	U	U	U	E	G
White Liquor (Paper industry)	E	E	E	E	—	—	—	—	—	—	—	—
Wines	G	L	—	—	—	—	E	E	—	—	—	—
Xylene or Xylol	U	U	L	U	U	U	G	L	U	U	G	L
Zinc Chloride	E	E	E	E	E	E	E	E	E	—	E	E
Zinc Chromate	E	E	E	E	E	E	E	E	E	—	E	E
Zinc Cyanide	E	E	E	E	E	E	E	E	E	—	E	E
Zinc Nitrate	E	E	E	E	E	E	E	E	E	—	E	E
Zinc Sulfate	E	E	E	E	E	E	E	E	E	—	E	E

Mixtures of Acids:  
Nitric 15%, Hydrofluoric 4% E G E G - - - - - U U

Sodium Dichromate 13%,  
Nitric Acid 16%, Water E G E G E E E E E E L

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