



## SHRINKFLEX® 2:1 KYNAR FLAME RETARDANT · MEETS SPECIFICATION MIL-I-DTL-23053/8 EXCELLENT ABRASION RESISTANCE

2:1 Kynar® tubing is a Polyvinylidene Fluoride heatshrink tubing that shrinks to ½ its original diameter. During the shrinking operation, the tubing will encapsulate any device inside of it at the time and will assume the contour of that device. Kynar® is a high flame-retardant tubing that is tough and abrasion resistant in mechanical environments. It has excellent properties for cut through and solvent resistance. Shrinkflex® Kynar® is recommended for applications for strain relieving components such as soldered connections and splices, which are in high continuous operating temperature environments.

### SIZING CHART

Nominal Size	Part #	Unshrunk Diameter /mm	Shrunk Diameter /mm	*Put-Ups		Available Colors	Lbs/ 100'
				M	L		
3/64"	H2K0.05	1.2	0.6	25'	200'	2	0.03
1/16"	H2K0.06	1.6	0.8	25'	200'	2	0.05
3/32"	H2K0.09	2.4	1.2	25'	200'	2	0.06
1/8"	H2K0.13	3.2	1.6	25'	200'	2	0.07
3/16"	H2K0.19	4.8	2.4	25'	200'	2	0.10
1/4"	H2K0.25	6.4	3.2	25'	200'	2	0.15
3/8"	H2K0.38	9.5	4.7	25'	200'	2	0.25
1/2"	H2K0.50	12.7	6.4	25'	100'	2	0.30
3/4"	H2K0.75	19.1	9.5	25'	50'	2	0.50
1"	H2K1.00	25.6	12.7	25'	50'	2	0.80

\*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool

### FEATURES

Material	Polyvinylidene Fluoride
Grade	H2K
Monofilament Diameter	NA
Drawing Number	TF001H2K-WD
Cutting	Scissors

### COLORS



Black (BK), Clear (CL)

### CERTIFICATIONS



Kynar® is a registered trademark of the Arkema Corporation





## CHEMICAL RESISTANCE

Fluid Resistance (73°F/23°C, 24 hrs.)	5,000
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## FLAMMABILITY

Rating	UL 224, VW-1
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## PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating	UL 224, VW-1
Recommended Cutting	Scissors
Colors	2
Moisture Absorption (%) (ASTM D-570)	.5
Tensile Strength (psi) (ASTM D-638)	5,000
Elongation (%) (ASTM D-638)	150
Specific Gravity (ASTM D-792)	1.8
Deformation (%) (302°F/150°C, 1 Hr., UL 224)	50
Low Temp. Flex (-67°F/-55°C) (MIL-DTL-23053)	No Cracking
Heat Shock (572°F/300°C, 4 Hrs.) (MIL-DTL-23053)	No Cracking
Secant Modulus (psi) (ASTM D-882)	100,000
Longitudinal Change (%) (MIL-DTL-23053)	±10
Dielectric Strength (kV/mm) (ASTM D-876)	23.6
Volume Resistivity (ohm/cm) (ASTM D-876)	1.0 x 10 <sup>13</sup>

## OPERATING TEMPERATURES

Shrinks	347°F / 175°C
Maximum Continuous (Mil-I-23053)	392°F / 200°C
Minimum Continuous (Mil-I-23053)	-67°F / -55°C

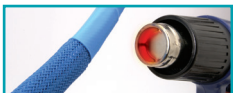
## HOW-TO



Measure the Shrinkflex® tubing to length and cut with a scissor. The thickness of your bundle, as well as the desired final appearance, will determine the length of the tubing you cut. Generally, a piece 1½" - 2" long will accommodate almost any need. Single wires, or smaller bundles, require shorter pieces.



Slip the Shrinkflex® tubing over the bundle and position it so that both the sleeved and unsleeved portions are sufficiently covered. Notice the small pieces of tubing installed on single wires as part of a color coding system. If your project requires multiple operations, always work up from the smallest to the largest bundle.



Gently apply heat to Shrinkflex® tubing from a heat gun, hair dryer or torch with an appropriate attachment. Keep the heat source far enough away so that hot metal or direct flame does not come in contact with the tubing, wires or sleeving. Move the heat around the bundle to prevent damaging the sleeving and to ensure that all areas of the tubing have been shrunk. Once cooled, your installation is complete.

[www.TECHFLEX.com](http://www.TECHFLEX.com)

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