3M Kynar[®] Heat Shrink Tubing

Modified Polyvinylidene Fluoride

Product Description	3 M TM KYNAR [®] Heat Shrink Tubing is a crossed-linked, thin-walled, heat-shrinkable tubing offering a high degree of mechanical strength and high-temperature resistance Fabricated from polyvinylidene fluoride, the tubing has outstanding abrasion resistance and cut-through properties in combination with high dielectric strength. It is inherently flame retardant, semi-rigid and highly resistant to most industrial fuels chemicals and solvents. When heated in excess of 175°C (347°F), Kynar Tubing rapidly shrinks to a skintight fit. Kynar Tubing is rated for continuous operation from -55°C (-67°F) to 175°C (347°F).		
Typical Applications	Kynar Tubing is recommended for shrink-fit protection and strain relief of wires solder joints, terminals and connections. Suggested applications include automotive wiring, jackets, fuse coverings and military wire markers. Because the tubing is transparent, it allows see-through inspection and identification, and is ideal for use as jacketing for components such as resistors and capacitors. The tubing is readily marked by hot-stamp and print-wheel equipment.		
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	ion provided consists of typical produc therwise noted, all tests are performed MIL-DTL-23053/8, MIL-DTL-230	el equipment. Et data and should not be used for specification	
purposes. Unless o Applicable Specification	ion provided consists of typical produc therwise noted, all tests are performed	el equipment. Et data and should not be used for specification at room temperature.	
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purposes. Unless o Applicable Specification	ion provided consists of typical product therwise noted, all tests are performed MIL-DTL-23053/8, MIL-DTL-23(VW-1; CSA LR 38227, OFT Tensile Strength	el equipment. Et data and should not be used for specification at room temperature.	
purposes. Unless o Applicable Specification Typical Physical	ion provided consists of typical product therwise noted, all tests are performed MIL-DTL-23053/8, MIL-DTL-230 VW-1; CSA LR 38227, OFT Tensile Strength Ultimate Elongation	el equipment. et data and should not be used for specification at room temperature. 053/18, Class 1; AMS-3632; UL File E-39100, 5500 psi 350%	
purposes. Unless o Applicable Specification Typical Physical	ion provided consists of typical product therwise noted, all tests are performed MIL-DTL-23053/8, MIL-DTL-23(VW-1; CSA LR 38227, OFT Tensile Strength Ultimate Elongation Longitudinal Change	el equipment. et data and should not be used for specification at room temperature. 053/18, Class 1; AMS-3632; UL File E-39100, 5500 psi	
purposes. Unless o Applicable Specification Typical Physical	ion provided consists of typical product therwise noted, all tests are performed MIL-DTL-23053/8, MIL-DTL-230 VW-1; CSA LR 38227, OFT Tensile Strength Ultimate Elongation Longitudinal Change Specific Gravity	el equipment. et data and should not be used for specification at room temperature. 053/18, Class 1; AMS-3632; UL File E-39100, 5500 psi 350% +1, -10%	
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purposes. Unless o Applicable Specification Typical Physical	ion provided consists of typical product therwise noted, all tests are performed MIL-DTL-23053/8, MIL-DTL-230 VW-1; CSA LR 38227, OFT Tensile Strength Ultimate Elongation Longitudinal Change Specific Gravity Operating Temperature Range Shrink Temperature (Min.) Low Temperature Flexibility	el equipment. et data and should not be used for specification at room temperature. 053/18, Class 1; AMS-3632; UL File E-39100, 5500 psi 350% +1, -10% 1.7 -55°C to +175°C 175°C (347°F)	
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Typical Electrical Properties	Dielectric Strength Volume Resistivity	900 V/mil 10 ¹⁴ ohm-cm
Typical Chemical		
Properties	Corrosive Resistance	Non-corrosive
	Fuel & Oil Resistance	Excellent
	Solvent Resistance	Excellent
	Abrasion Resistance	Excellent
	Acids & Alkalis Resistance	Excellent

Standard Sizes and Dimensions

Ordering Size	-	ded I.D. mum) (mm)		ered I.D. imum) (mm)	Thic	ered Wall kness minal) (mm)
3/64	.046	(1,17)	.023	(0,58)	.010	(0,25)
1/16	.063	(1,60)	.031	(0,79)	.010	(0,25)
3/32	.093	(2,36)	.046	(1,17)	.010	(0,25)
1/8	.125	(3,18)	.062	(1,57)	.010	(0,25)
3/16	.187	(4,75)	.093	(2,36)	.010	(0,25)
1/4	.250	(6,35)	.125	(3,18)	.012	(0,30)
3/8	.375	(9,53)	.187	(4,75)	.012	(0,30)
1/2	.500	(12,70)	.250	(6,35)	.012	(0,30)
5/8	.625	(15,88)	.313	(7,94)	.014	(0,36)
3/4	.750	(19,05)	.375	(9,53)	.017	(0,43)
1	1.000	(25,40)	.500	(12,70)	.019	(0,48)
1-1/2	1,500	(38,10)	.750	(19,05)	.020	(0,51)
2	2.000	(50,80)	1.000	(25,40)	.022	(0,56)

 Shrink Ratio
 3MTM Kynar Heat Shrink Tubing has a 2:1 shrink ratio. When freely recovered, the tubing will shrink to 50% of its as-supplied internal diameter. The recovered wall thickness is proportional to the degree of recovery.

Standard Color

Clear. Colors available subject to factory quotation.

Standard Packaging

Four foot lengths.

Ordering Information	Order 3M TM Kynar Heat Shrink Tubing by product name, size equivalent to the expanded inside diameter, package type and color. Always order the largest size that will shrink snugly over the item to be covered.
	Example: 3M TM Kynar Tubing, 3/8", 4 ft., clear.