

Part Number KYNAR

Header KYNAR Semi-Rigid PVDF Heat Shrink Tubing

Description Thermosleeve-USA KYNAR offers excellent chemical resistant properties and maintains its mechanical strength even at high temperatures. Fabricated from the "Polyvinylidene Fluoride" compound, KYNAR offers excellent resistance and cut through properties along with high dielectric strength. Kynar tubing is usually purchased in clear, which makes it a popular choice when selecting a rugged, high temperature, chemical resistant and transparent heat shrink material. KYNAR heat shrink tubing is flame retardant and has a minimum shrink temperature rating of 150 degrees C (302 degrees F) for KYNAR150 and 175 degrees C (311 degrees F) for KYNAR175.

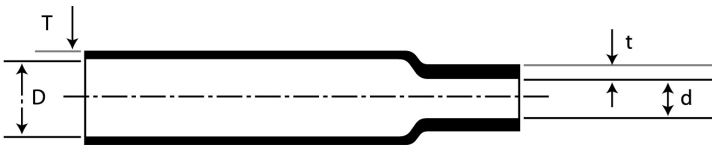
Agency Approval & Compliance UL, cUL, RoHS, Halogen-Free, MIL, Flame Retardant, UL224, REACH, VW1

Application KYNAR heat shrink tubing provides electrical insulation and strain relief of multipoint connectors and solder joints. Ideal for applications that require dense packing of components or visual inspection of covered components.

Shrink Ratio and Operating Temperature KYNAR has a 2:1 shrink ratio and when fully recovered, the 2:1 material will shrink to one half (50%) of its original supplied diameter.

KYNAR is available in two temperature ranges -55 degrees C (-67 degrees F) to 150 degrees C (302 degrees F) and -55 degrees C (-67 degrees F) to 175 degrees C (347 degrees F)

Standard Sizes and Dimension



Size (inch)	Min. inside diameter as Supplied (mm) (D)	Max. Inside Diameter after recovery (mm) (d)	Recovered Wall Thickness (mm) (t)
3/64	1.2	0.6	0.25 ± 0.05
1/16	1.6	0.8	0.25 ± 0.05
3/32	2.4	1.2	0.25 ± 0.05
1/8	3.2	1.6	0.25 ± 0.05
3/16	4.8	2.4	0.25 ± 0.05
1/4	6.4	3.2	0.33 ± 0.05
3/8	9.5	4.8	0.33 ± 0.05
1/2	12.7	6.4	0.33 ± 0.05
4/3	19.1	9.5	0.43 ± 0.08
1	25.4	12.7	0.48 ± 0.08
1 1/2	38.1	19.1	0.48 ± 0.08

Typical Properties**KYNAR (150 degree C)**

Item	Specification
Shrink Temperature (°C)	150°C
Temperature Range (°C)	-55°C ~150°C
Radial Shrinking Ratio (%)	50
Longitudinal Change (%)	≥5
Tensile Strength (MPa)	≥24.5
Ultimate Elongation (%)	≥300
Aging in Circulating-air Oven	225 ±1.0, 168 Hrs
Ultimate Elongation (%) - After Aging	250
Dielectric Voltage Withstand (V)	600
Volume Resistivity (Ω.cm)	≥10 ¹³
Dielectric Strength (kV/mm)	≥15.7
Flammability	Pass
Concentricity (%)	≥50
Heat Shock	No Cracking
Cold Shock	No Cracking
Specific Gravity	1.80

KYNAR (175 degree C)

Item	Specification
Shrink Temperature (°C)	175°C
Temperature Range (°C)	-55°C ~175°C
Radial Shrinking Ratio (%)	50
Longitudinal Change (%)	5
Tensile Strength (MPa)	≥30
Ultimate Elongation (%)	≥150
Aging in Circulating-air Oven	225 ±1.0, 168 Hrs
Ultimate Elongation (%) - After Aging	≥75
Dielectric Voltage Withstand (V)	600
Volume Resistivity (Ω.cm)	≥10 ¹⁴
Dielectric Strength (kV/mm)	≥15.7
Flammability	VW1
Concentricity (%)	≥70

Availability Four-foot lengths, master reels and cut pieces

Important Notice All information contained in this data sheet is believed to be reliable and accurate. It is advised however that the end user of this material evaluate the suitability of the product for their specific application.

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