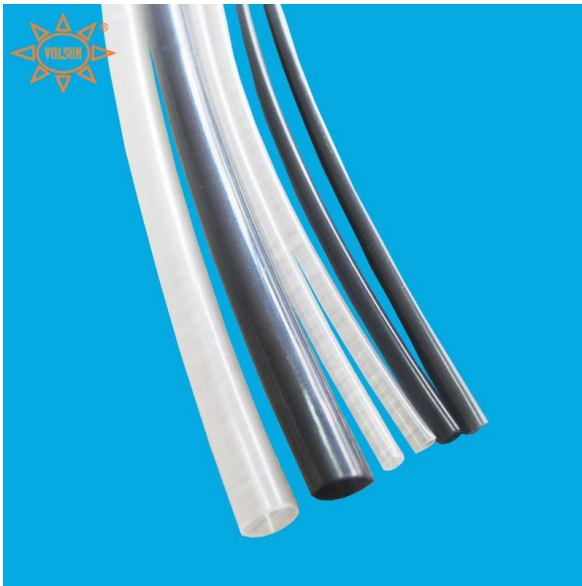




TZRS-PVDF175(2X)

PVDF-Kynar Heat Shrinkable Tubing



Description

TZRS-PVDF-(2X) Kynar Heat shrinkable Tubing is normally designated as kynar tubing, is a cross-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 347°F (175°C), TZRS-PVDF-(2X)-B tubing rapidly shrinks to a skintight fit.

Features

- Approval: UL, VW-1, File No.E249362
- Meet: RoHS, SAE-AMS-DTL-23053/18
- Operating temperature: -55°C to + 175°C
- Minimum fully recovery temperature: 175°C

Applications

TZRS-PVDF-(2X)-B tubing is typically used 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 a jacketing for components such as resistors and capacitors. The tubing is readily marked by hot-stamp and print-wheel equipment.



Shrink Ratio

TZRS-PVDF-(2X)-B 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. The operating temperature range is from -55°C (-67°F) to 175°C (347°F), with a shrinking temperature minimum of 175°C (347°F).

Technical Performance

Property	Typical Data	Test Method
Tensile strength	≥45MPa	ASTM D 638
Ultimate elongation	≥300%	ASTM D 638
Ultimate elongation after aging	≥200%	250°C×168h
Flammability	VW-1	UL 224
Longitudinal expansion rate	-5% ~ +5%	ASTM D 2671
volume resistivity	≥10 ¹³ Ω.cm	ASTM D 876
Cold bending flexible	No tracks	-55°C×4h
Heat shock	No tracks	300°C×4h
corrosive characteristics	No corrosion	ASTM D 2671



Dimensions

Size	As supplied D(mm)	After full recovered (mm)		Standard package (M/Roll)
		Inner diameter d	Wall thickness w	
Φ0.8	≥0.8	≤0.4	0.25±0.05	200
Φ1.0	≥1.0	≤0.5	0.25±0.05	200
Φ1.2	≥1.2	≤0.6	0.25±0.05	200
Φ1.6	≥1.6	≤0.8	0.25±0.05	200
Φ2.4	≥2.4	≤1.2	0.25±0.05	200
Φ3.2	≥3.2	≤1.6	0.25±0.05	200
Φ4.8	≥4.8	≤2.4	0.25±0.05	100
Φ6.4	≥6.4	≤3.2	0.30±0.08	100
Φ9.5	≥9.5	≤4.8	0.30±0.08	100
Φ12.7	≥12.7	≤6.4	0.30±0.08	100
Φ15.0	≥15.0	≤7.5	0.40±0.08	100
Φ19.1	≥19.1	≤9.5	0.43±0.08	50
Φ25.4	≥25.4	≤12.7	0.48±0.08	50
Φ38.1	≥38.1	≤19.1	0.51±0.08	50
Φ50.8	≥50.8	≤25.4	0.58±0.08	50