



TZRS-VT200 (2X)

Fluoroelastomer (Viton) Heat Shrink Tubing



Description

TZRS-VT200(2X) modified fluoroelastomer heat-shrinkable tubing is highly abrasion and cut-through resistant and can withstand a wide variety of fuels, lubricants, acids and highly corrosive fluids at temperatures up to 200°C. In addition to its high continuous operating temperature and chemical-resistance properties, this tubing is very flexible and is easily marked by hot-stamp or printwheel methods. When heated in excess of 175°C (347°F), TZRS-VT200(2X) tubing rapidly shrinks to a skintight fit. TZRS-VT200(2X) tubing is rated for continuous operation from -55°C (-67°F) to 200°C (392°F).135°C/275°F

Typical Applications

Because of its outstanding high temperature fluid performance, modified fluoroelastomer heat shrink tubing is often used to protect wiring and component covers in aircraft/aerospace applications including electronic control systems and hydraulic fluid transport mechanisms and in chemical plants.

Shrink Ratio

Modified fluoroelastomer 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



Features

- Cross-linked fluoroelastomer
- Superior abrasion resistance
- High temperature resistance
- Excellent resistance to aggressive chemicals and solvents
- Available with various wall thickness
- Continuous operating temperature:-55°C ~200°C
- Min. Full recovery temp.: 175 °C
- RoHS compliant
- Flammability: UL 224 VW-1
- Meets: SAE-AMS-DTL-23053/13

Technical Performance

Property	Test Method	Test Method
Tensile strength	≥12MPa	ASTM D 638
Ultimate elongation	≥400%	ASTM D 638
Tensile strength Ultimate elongation	≥300%	250°C×168h
Flammability	Self-quenching In 15 seconds	ASTM D 2671
Longitudinal expansion rate	-5% ~ +5%	ASTM D 2671
Heat shock	No cracking	300°C×4h
Breakdown strength	≥12kV/mm	ASTM D 2671
volume resistivity	≥10 ⁹ Ω.cm	ASTM D 876



Dimensions

Size(mm)	As Supplied (mm) D	After Recovery (mm)		Standard Length
		Inner diameter d	Wall thickness w	(m/spool)
Φ2.4	≥2.4	≤1.2	0.51±0.08	200
Φ3.2	≥3.2	≤1.6	0.76±0.13	100
Φ4.8	≥4.8	≤2.4	0.89±0.18	50
Φ6.4	≥6.4	≤3.2	0.89±0.18	50
Φ9.5	≥9.5	≤4.8	0.89±0.18	50
Φ12.7	≥12.7	≤6.4	0.89±0.18	50
Φ19.1	≥19.1	≤9.5	1.07±0.21	30
Φ25.4	≥25.4	≤12.7	1.25±0.30	30
Φ38.1	≥38.1	≤19.1	1.40±0.38	30
Φ50.8	≥50.8	≤25.4	1.65±0.43	30