



TZRS-DR150 (2X)

Diesel Resistant Modified Elastomeric Heat Shrink Tubing



Description

TZRS-DR150(2X) is a high performance, rugged heat shrinkable tubing designed for harsh operating conditions. The tubing is made from flexible elastomeric polyester and has a continuous operating temperature range of -55°C (-70°F) to 150°C (302°F). TZRS-DR 150(2X) is resistant to a wide range of solvents and chemicals including aviation fuel, diesel fuel, lubricating oils and hydraulic fluid. Volsun TZRS-DR 150(2X) tubing is specifically designed to pass the SC-X15111C military specification but also meets the functional requirements of MIL-DTL-23053/16

Features

- Flexible, flame retardant
- Shrink Temperature:90°C ~150°C
- Continuous Operating Temperature:-75°C~150°C
- Shrink Ratio:2:1
- RoHS Compliant
- Standard colors :Black



Typical Applications

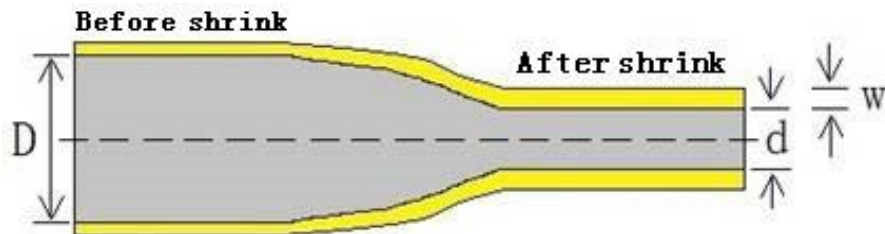
TZRS-DR150 (2X) is primarily designed for wire harnessing applications on military ground vehicles. It was primarily developed for the M-1 tank program, but is well suited for any application where conditions call for a high performance heat shrink tubing, particularly where the tubing will be exposed to petroleum based fluids. TZRS-DR150 (2X) tubing is also an excellent choice for heavy duty equipment and off -road vehicles.

Technical Performance

Properties	Typical Data	Test Methods
Tensile Strength	≥12MPa	ASTM D 2671
Elongation	≥400%	ASTM D 2671
Tensile Strength After Heat Aging	≥8MPa	160°C×168h
Elongation After Heat Aging	≥220%	160°C×168h
Longitudinal Change	-8%~+8%	ASTM D 2671
Dielectric Strength	≥15kV/mm	IEC 60243
Fluid Resistance Tensile Strength	≥10MPa	ISO 37 24hrs.(diesel 70°C,hydraulic 70°C, lubricant 100°C)
Fluid Resistance Elongation	≥300%	
Flammability	VW-1	UL 224
Heat Shock	No crack,no dripping	215°C×4h



Structure



Dimensions

Sizes	I.D. As Supplied D(mm)	Sizes After Full Recovery(mm)		Standard Package (m/spool)
		I.D. d	Wall Thickness w	
Φ3.2	≥3.2	≤1.6	0.76±0.15	200
Φ4.8	≥4.8	≤2.4	0.84±0.15	100
Φ6.4	≥6.4	≤3.2	0.89±0.15	100
Φ9.5	≥9.5	≤4.8	1.02±0.20	50
Φ12.7	≥12.7	≤6.4	1.22±0.20	30
Φ19.0	≥19.0	≤9.5	1.45±0.28	30
Φ25.4	≥25.4	≤12.7	1.78±0.28	30
Φ38.1	≥38.1	≤19.0	2.41±0.41	15
Φ50.8	≥50.8	≤25.4	2.79±0.41	15
Φ76.0	≥50.8	≤38.0	3.18±0.50	15

Note: Non-standard sizes and package are available on your request