

Wire Connector and Terminator

WR-03 Fluoropolymer Heat Shrink Parts

Introduction

Semi-rigid fluoropolymers shrink sleeve, high temperature performance, solvent resistant, meltable adhesive insert.

Features

- Operating temperature: -55 to 175°C
- Minimum fully recovery temperature: 175°C
- Color: Clear-Blue, Clear

Dimension

Part No.	As supplied (mm)										After recovered (mm)		Color	
	D1	T	D2	D3	D4	L	A	B	C	D	D1	T	Tube	Hot melt ring
WR-03-2N	≥6.6	≤0.15	≥5.1	—	≤6.5	15.0±0.8	6.0±0.8	2.0±0.5	2.0±0.5	60°	≤3.0	0.20±0.05	Clear-Blue	Blue-White
WR-03-2H	≥6.6	≤0.15	≥5.1	—	≤6.5	15.0±0.8	7.0±0.8	4.0±0.5	2.0±0.5	60°	≤3.0	0.20±0.05	Clear-Blue	Gray
WR-03-2C	≥6.6	—	≥4.4	≥4.9	—	22.9±0.8	14.2*	4.7*	1.7*	—	2.2±0.2	0.50±0.10	Clear	Clear

Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥34.5MPa
Ultimate Elongation	ASTM D2671	≥150%
Thermal cycling (-55°C/175°C)	ASTM D2671	
Ultimate Elongation		≥50%
Low-temperature flexibility (-55°C/4h)	ASTM D2671	No cracking
Heat shock (275°C/4h)	ASTM D2671	No cracking, dripping or flowing
Dielectric Voltage Withstand	AC 2500V, 60s	No breakdown
Volume resistivity	ASTM D2671	≥1.0×10 ¹³ Ω·cm
Dielectric strength	ASTM D2671	≥23.6 kV/mm
Flammability	UL224	Self-extinguish not more than 15s
Salt spray resistance (96h)	ASTM D2671	
Ultimate Elongation		≥50%
Fungus Resistance	ASTM D2671	Not less than rate 1
Copper corrosion (175°C/24h)	ASTM D2671	No corrosion
Fluid Resistance	ASTM D2671	
Tensile strength		≥34.5 Mpa
Dielectric Strength		≥19.7 kV/mm

