

Thin wall heat shrink tube

S2-RT3 Semirigid Polyolefin Heat Shrink Tube

Application

A thin wall, semirigid, environmental friendly, flame-retardant polyolefin heat shrinkable tube. Suitable for insulation protection, parts identification, mechanical protection, bundling of wires, wire harnesses, and electronic components.

Feature

- Operating temperature: -55 to 135°C
- Minimum full recovery temperature: 135°C
- Environmental friendly, RoHS compliant
- Shrink Ratio: 2.5:1
- Flame-retardant
- Standard : Black

Dimension

Part No. S2-RT3	As supplied(mm)	After recovered (mm)	
	Inner diameter D	Inner diameter d (max.)	Wall thickness t
6	6.1±0.4	2.4	0.80±0.15
8	8.1±0.4	3.2	0.80±0.15
9.5	9.5±0.5	3.8	0.80±0.15
12	12.3±0.5	5.1	0.80±0.15

Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥13.8 MPa
Ultimate Elongation	ASTM D2671	≥200%
Secant modulus 2%	ASTM D2671	≤ 152 MPa
Water absorption (23°C/24h)	ASTM D570	≤0.5%
Low-temperature flexibility(-40°C/4h)	ASTM D2671	No cracking
Heat shock(250°C/4h)	ASTM D2671	No cracking, dripping or flowing
Heat Aging(175°C/168h)	ASTM D2671	
Ultimate Elongation		≥150%
Dielectric strength	ASTM D2671	≥19.7kV/mm
Volume resistivity	ASTM D2671	≥1.0×10 ¹⁴ Ω·cm
Flammability(colors only)	ASTM D2671 Method C	Self-extinguishing within 60S
Copper corrosion(150°C/16h)	ASTM D2671	No corrosion
Fungus Resistance(28days)	ISO 846 Method B	
Tensile Strength		≥13.8 MPa
Ultimate Elongation		≥200%
Fluid resistance(23°C/24h)	ASTM D412	
Tensile strength		≥ 11MPa
Dielectric strength		≥ 15.8kV/mm

