

Thin wall heat shrink tube

S2(s) Ultra Thin Wall Heat Shrink Tube

Application

An ultra thin wall, flexible, low smoke emissions, halogen-free, 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: -40 to 125°C
- Min. full recovery temperature: 110°C
- Shrink Ratio: 2:1
- Standard Color: Yellow, White
- Environmental friendly, RoHS compliant
- Ultra thin wall, flexible, low smoke
- Halogen-free, flame retardant



Dimension

Part No. S2(s)	As supplied(mm)	After recovered (mm)		Standard Length m/roll
	Inner diameter D (min.)	Inner diameter d (max.)	Wall thickness t (nom.)	
1.0	1.0	0.7	0.20±0.10	200
1.5	1.5	0.8	0.20±0.10	200
2.0	2.0	1.0	0.22±0.10	200
2.5	2.5	1.3	0.25±0.10	200
3.0	3.0	1.5	0.28±0.10	200
3.5	3.5	1.8	0.28±0.10	200
4.0	4.0	2.0	0.30±0.10	200
4.5	4.5	2.3	0.30±0.10	100
5.0	5.0	2.5	0.32±0.10	100
6	6.0	3.0	0.32±0.10	100
7	7.0	3.5	0.32±0.10	100
8	8.0	4.0	0.32±0.10	100
9	9.0	4.5	0.35±0.10	100
10	10.0	5.0	0.35±0.10	100
11	11.0	5.5	0.40±0.10	100
12	12.0	6.0	0.40±0.10	100
13	13.0	6.5	0.40±0.10	100
14	14.0	7.0	0.40±0.10	100
15	15.0	7.5	0.40±0.10	100
16	16.0	8.0	0.40±0.10	100
17	17.0	8.5	0.40±0.10	100
18	18.0	9.0	0.42±0.10	100
20	20.0	10.0	0.45±0.10	100
22	22.0	11.0	0.45±0.10	100
25	25.0	12.5	0.45±0.10	50

Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥10.4MPa
Ultimate Elongation	ASTM D2671	≥200%
Water absorption (23°C/24h)	ASTM D570	≤0.5%
Low-temperature flexibility(-40°C/4h)	ASTM D2671	No cracking
Heat shock(225°C/4h)	ASTM D2671	No cracking, dripping or flowing
Heat Aging(158°C/168h)	ASTM D2671	
Tensile Strength		≥7.3MPa
Ultimate Elongation		≥100%
Dielectric breakdown	ASTM D2671	≥ AC 2500V
Power frequency withstand voltage	AC2500V, 1min	≥60s
Volume resistivity	ASTM D2671	≥1.0×10 ¹⁴ Ω·cm
Flammability(colors only)	ASTM D2671 Method C	Self-extinguishing within 60S
Copper corrosion(158°C/16h)	ASTM D2671	No corrosion

Ordering Note: Please order according to "model-specification-color", such as S2(s)-9-4
Color code: Yellow (-4), White (-9)

