



Thin wall heat shrink tube

S3(t) Flame Retardant Polyolefin Dual Wall Heat Shrink Tube

Application

Flame retardant (except transparent), with hot melt adhesive liner, polyolefin dual wall heat shrinkable tube. Suitable for applications that require insulation, corrosion resistance and mechanical stress relief, including connectors, wiring harnesses, electronic components, etc.

Feature

- Operating temperature: -40 to 125°C
- UL224 E341796
- Minimum full recovery temperature: 125°C
- Environmental friendly, RoHS & ELV compliant
- Standard Color: Black.
- Shrink ratio: 3:1 & 4:1
- Nonstandard: Clear, White, Red, Blue, Yellow, Green

Dimension

Part No. S3(t)	As supplied(mm)	After recovered (mm)		
	Inner diameter D (min.)	Inner diameter d (max.)	Wall thickness t (nom.)	Adhesive Wall thickness t1 (nom.)

Shrink Ratio 3:1

3.2/1.0	3.2	1.0	1.0	0.5
4.8/1.6	4.8	1.6	1.0	0.5
6.4/2.1	6.4	2.1	1.2	0.5
7.9/2.6	7.9	2.6	1.3	0.6
9.5/3.2	9.5	3.2	1.4	0.6
12.7/4.2	12.7	4.2	1.7	0.7
15.0/5.0	15.0	5.0	1.8	0.7
19.1/6.0	19.1	6.0	2.2	0.8
25.4/8.0	25.4	8.0	2.4	1.0
30/10	30	10	2.5	1.0
39/13	39	13	2.5	1.0
51/17	51	17	2.6	1.2

Shrink Ratio 4:1

4/1	4	1.0	1.0	0.5
6/1.5	6	1.5	1.0	0.5
8/2	8	2.0	1.2	0.5
12/3	12	3.0	1.4	0.6
16/4	16	4.0	1.7	0.7
20/5	20	5.0	1.8	0.7
24/6	24	6.0	2.2	0.8
32/8	32	8.0	2.4	1.0
52/13	52	13.0	2.5	1.0

Technical Data

Property	Test Method	Requirement
Longitudinal change	ASTM D2671	≥-10%
Tensile Strength	ASTM D2671	≥12MPa
Ultimate Elongation	ASTM D2671	≥300%
Heat Aging(158°C/168h)	ASTM D2671	
Tensile Strength		≥10MPa
Ultimate Elongation		≥200%
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(outer jacket)
Dielectric strength	ASTM D3032	≥12kV/mm
Volume resistivity	ASTM D2671	≥1.0×10 ¹⁴ Ω.cm
Dielectric Voltage Withstand	AC2500V/60S	No breakdown
Heat Aging(158°C/168h)	ASTM D2671	
Dielectric Voltage Withstand		No breakdown
Flammability (outer layer, colors only)	UL224	VW-1
Copper corrosion (150°C/168h)	ASTM D2671	No corrosion

