

Thin wall heat shrink tube

S2 Flexible Polyolefin Thin Wall Heat Shrink Tube

Application

A thin wall, flexible, 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: -40 to 125°C
- Minimum full recovery temperature: 125°C
- Shrink Ratio: 2:1 & 3:1
- Environmental friendly
- RoHS & ELV compliant
- Flame-retardant UL224 E341796



Dimension

Part No. S2	As supplied(mm)		After recovered (mm)		Standard Length m/roll
	ID	WT	ID (Max.)	WT	

Shrink Ratio 2:1

0.6	0.9±0.2	0.4	0.28±0.10	200
0.8	1.1±0.2	0.5	0.28±0.10	200
1.0	1.6±0.3	0.65	0.35±0.10	200
1.5	2.1±0.3	0.85	0.35±0.10	200
2.0	2.6±0.4	1.0	0.40±0.10	200
2.5	3.1±0.4	1.3	0.40±0.10	200
3.0	3.6±0.4	1.5	0.45±0.10	200
3.5	4.1±0.4	1.8	0.45±0.12	200
4.0	4.6±0.4	2.0	0.48±0.12	200
4.5	5.1±0.5	2.3	0.50±0.12	100
5.0	5.6±0.5	2.5	0.52±0.12	100
5.5	6.1±0.5	2.8	0.52±0.12	100
6	6.8±0.5	3.0	0.55±0.12	100
7	7.8±0.5	3.5	0.55±0.12	100
8	8.8±0.5	4.0	0.60±0.12	100
9	9.8±0.5	4.5	0.60±0.12	100
10	10.8±0.5	5.0	0.60±0.12	100
11	11.8±0.5	5.5	0.60±0.12	100
12	12.8±0.5	6.0	0.60±0.12	100
13	13.8±0.5	6.5	0.70±0.12	100
14	14.9±0.5	7.0	0.70±0.12	100
15	16.0±0.5	7.5	0.70±0.12	100
16	17.0±0.5	8.0	0.75±0.15	100
17	18.2±0.7	8.5	0.75±0.15	100
18	20.0±0.8	9.0	0.75±0.15	100
20	22.0±1.0	10.0	0.85±0.15	100
22	23.5±1.0	11.0	0.85±0.15	100
25	26.5±1.0	12.5	0.95±0.18	50
28	29.0±1.0	14.0	0.95±0.18	50
30	32.0±1.5	15.0	1.00±0.20	50
35	37.0±1.5	17.5	1.00±0.20	50
40	42.0±2.0	20.0	1.05±0.20	50
45	47.0±2.0	22.5	1.05±0.20	25
50	≥50	25	1.05±0.20	25
60	≥60	30	1.10±0.20	25
70	≥70	35	1.20±0.20	25
80	≥80	40	1.30±0.20	25
90	≥90	45	1.30±0.20	25
100	≥100	50	1.30±0.30	25
120	≥120	60	1.40±0.30	25
150	≥150	75	1.40±0.30	25
180	≥180	90	1.60±0.30	25

Dimension

Part No. S2	As supplied(mm)		After recovered (mm)		Standard Length m/roll
	ID	WT	ID (Max.)	WT	

Shrink Ratio 3:1

1.5/0.5	2.2±0.4	0.5	0.45±0.12	200
3/1	3.8±0.4	1.0	0.55±0.12	200
4.5/1.5	5.2±0.5	1.5	0.60±0.12	100
6/2	6.6±0.5	2.0	0.65±0.12	100
9/3	9.7±0.5	3.0	0.80±0.15	50
12/4	13.2±0.8	4.0	0.85±0.15	50
15/5	16.0±0.8	5.0	0.90±0.15	50
18/6	19.5±0.8	6.0	1.00±0.20	50
24/8	26.5±1.0	8.0	1.20±0.20	25
30/10	32.0±1.5	10.0	1.20±0.20	25
39/13	41.0±1.5	13.0	1.50±0.30	25
51/17	≥51	17	1.65±0.30	20
60/20	≥60	20	1.75±0.30	20
70/23	≥70	23	1.75±0.30	20
80/26	≥80	26	1.85±0.30	20
90/30	≥90	30	2.15±0.30	20
100/33	≥100	33	2.35±0.30	20

Ordering Note: Please order according to "model-specification-color", such as S2-9/3-0
Color code: Black (-0), Brown (-1), Red (-2), Orange (-3), Yellow (-4), Green (-5), Blue (-6), Purple (-7), Gray (-8), White (-9), Pink (-P), Clear (-X)

Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥10.4MPa
Ultimate Elongation	ASTM D2671	≥200%
2% Secant modulus	ASTM D2671	≤172MPa
Heat Aging(158°C/168h)	ASTM D2671	
Tensile Strength		≥7.3MPa
Ultimate Elongation		≥100%
Water absorption (23°C/24h)	ASTM D2671	≤0.5%
Low-temperature flexibility(-40°C/4h)	ASTM D2671	No cracking
Heat shock(250°C/4h)	ASTM D2671	No cracking, dripping or flowing
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)	UL224	VW-1
Copper corrosion (158°C/16h)	ASTM D2671	No corrosion