

Thin wall heat shrink tube

S2-150 High Temperature Resistance Flame Retardant Heat Shrink Tube

Application

A high temperature resistant (150°C) thin wall, flexible, flame-retardant polyolefin heat shrinkable tube. Suitable for cable protection in high temperature environments, stress relief at cable terminals or joints, wire insulation or covering, welding point protection, electronic component encapsulation, insulation protection for resistors and capacitors. Rust and corrosion protection, identification or color coding of metal products.

Feature

- Operating temperature: -40 to 150°C
- Shrink Ratio: 2:1 & 3:1
- Min. full recovery temperature: 135°C
- Standard :Black; Red, Yellow, Green, Blue available.
- Environmental friendly, RoHS compliant

Dimension

Part No. S2-150	As supplied(mm)	After recovered (mm)		Standard Length m/roll
	Inner diameter D (min.)	Inner diameter d (max.)	Wall thickness t	

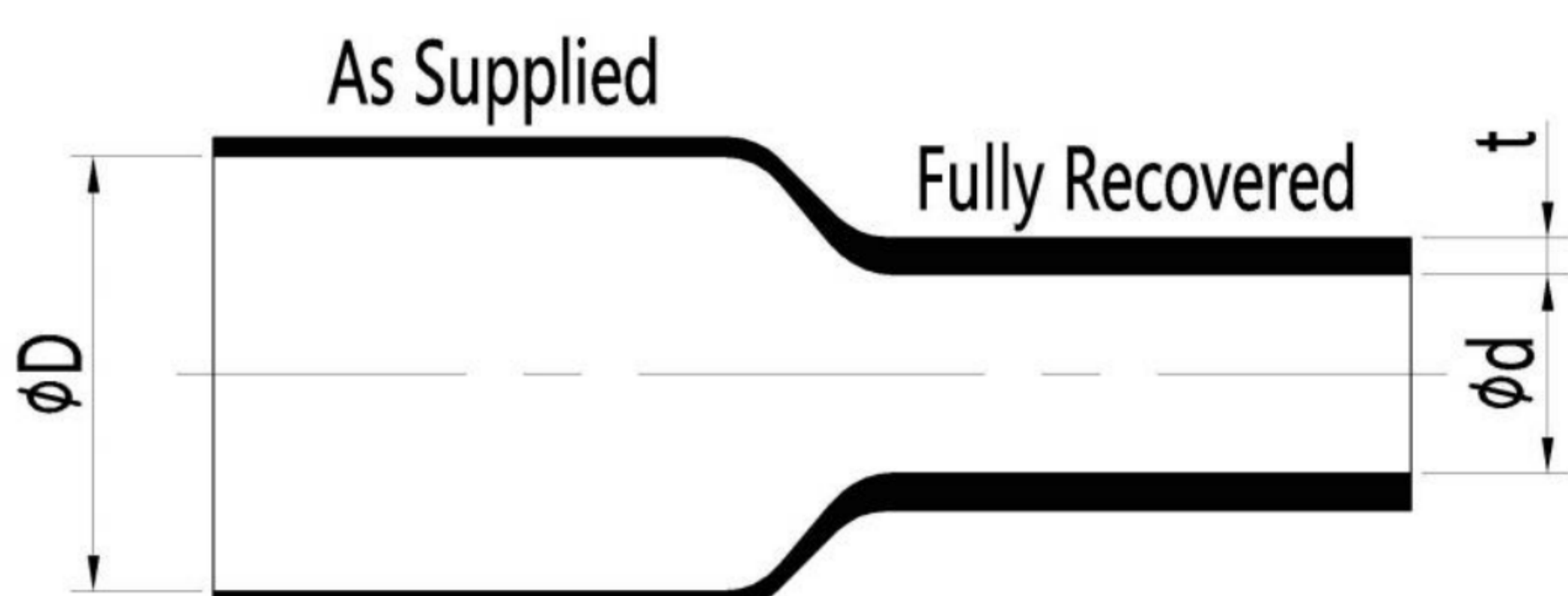
Shrink Ratio 2:1

1.2/0.6	1.2	0.6	0.40±0.08	200
1.6/0.8	1.6	0.8	0.43±0.08	200
2.4/1.2	2.4	1.2	0.51±0.08	200
3.2/1.6	3.2	1.6	0.51±0.08	200
4.8/2.4	4.8	2.4	0.51±0.08	122
6.4/3.2	6.4	3.2	0.64±0.08	122
7.9/4.0	7.9	4	0.64±0.08	122
9.5/4.8	9.5	4.8	0.64±0.08	122
12.7/6.4	12.7	6.4	0.64±0.08	122
15.9/7.9	15.9	7.9	0.64±0.08	122
19.1/9.5	19.1	9.5	0.76±0.08	122
22.2/11.1	22.2	11.1	0.89±0.12	122
25.4/12.7	25.4	12.7	0.89±0.12	122
31.8/15.9	31.8	15.9	1.02±0.15	61
38.1/19.1	38.1	19.1	1.02±0.15	61
50.8/25.4	50.8	25.4	1.14±0.16	61
76.2/38.1	76.2	38.1	1.27±0.20	30.4
101.6/50.8	101.6	50.8	1.40±0.23	15.2
127.0/63.5	127	63.5	1.52±0.23	15.2

Shrink Ratio 3:1

1.5/0.5	1.5	0.5	0.50±0.10	200
3/1	3	1	0.60±0.10	200
6/2	6	2	0.70±0.10	200
9/3	9	3	0.80±0.15	200
12/4	12	4	0.85±0.15	122
18/6	18	6	0.90±0.15	122
24/8	24	8	1.20±0.20	122
39/13	39	13	1.25±0.20	61

Ordering Note: Please order according to "model-specification-color", such as S2-150-9.5/4.8-0
Color code: Black (-0), Red (-2), Yellow (-4), Green (-5), Blue (-6)



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(250°C/4h)	ASTM D2671	No cracking, dripping or flowing
Heat Aging(180°C/168h)	ASTM D2671	
Tensile Strength		≥70% of original
Ultimate Elongation		≥50%
Dielectric strength	ASTM D2671	≥19.7kV/mm
Power frequency withstand voltage	AC2500V, 1min	≥60s
Volume resistivity	ASTM D2671	≥1.0×10 ¹⁴ Ω·cm
Fluid resistance(23°C/24h)	ASTM D2671	
Tensile Strength		≥ 6.9MPa
Dielectric strength		≥ 15.8kV/mm
Flammability(colors only)	ASTM D2671 method C	Self-extinguishing within 60S
Copper corrosion(180°C/16h)	ASTM D2671	No corrosion