

Heat Shrink for Automotive Parts

S2-135 135°C Polyolefin Thin Wall Heat Shrink Tube

Introduction

A thin-walled, environmentally friendly, flame-retardant polyolefin heat-shrinkable tube, suitable for insulation protection, part number identification, mechanical protection, strapping and fixing of wires, wiring harnesses, and electronic components

Features

- Operating temperature: -40~135°C
- Minimum full recovery temperature: 135 °C
- Environmentally friendly, ELV & RoHS compliant
- Shrink ratio: 2:1 & 3:1
- Standard color: Black,Red



Dimensions

Part No. S2-135	As supplied (mm)	After recovered (mm)		Standard Length (m/roll)
	Inner diameter D (min.)	Inner diameter d (max.)	Wall thickness t (nom.)	

Shrink ratio 2:1

1.2/0.6	1.2	0.6	0.35±0.10	200
1.6/0.8	1.6	0.8	0.35±0.10	200
2.4/1.2	2.4	1.2	0.40±0.10	200
3.2/1.6	3.2	1.6	0.45±0.10	200
4.8/2.4	4.8	2.4	0.50±0.12	100
6.4/3.2	6.4	3.2	0.55±0.12	100
7.9/4.0	7.9	4.0	0.60±0.12	100
9.5/4.8	9.5	4.8	0.60±0.12	100
12.7/6.4	12.7	6.4	0.70±0.15	100
15.9/7.9	15.9	7.9	0.75±0.15	100
19.1/9.5	19.1	9.5	0.75±0.15	100
25.4/12.7	25.4	12.7	0.95±0.20	50
32/16	32.0	16.0	1.00±0.20	50
38/19	38.0	19.0	1.05±0.20	50
51/26	51.0	26.0	1.05±0.20	25
76/38	76.0	38.0	1.30±0.25	25
102/51	102.0	51.0	1.30±0.25	25

Shrink ratio 3:1

1.5/0.5	1.5	0.5	0.45±0.12	200
3/1	3.0	1.0	0.55±0.12	200
4.5/1.5	6.0	1.5	0.60±0.12	100
6/2	6.0	2.0	0.65±0.12	100
9/3	9.0	3.0	0.80±0.15	50
12/4	12.0	4.0	0.85±0.15	50
15/5	15.0	5.0	0.90±0.15	50
18/6	18.0	6.0	1.00±0.20	50
24/8	24.0	8.0	1.20±0.20	25
30/10	30.0	10.0	1.20±0.20	25
39/13	39.0	13.0	1.50±0.30	25
51/17	51.0	17.0	1.65±0.30	20

Ordering Note: Please order according to "model-specification-color", such as S2-135-9/3-0

Color code: Black (-0), Red (-2)

Technical Data

Property	Test method	Requirement
Tensile strength	ASTM D2671	≥10.4 MPa
Ultimate elongation	ASTM D2671	≥200%
Secant modulus 2%	ASTM D2671	≤172 MPa
Heat Aging (175°C/168h)	ASTM D2671	
Tensile Strength		≥7.3 MPa
Ultimate Elongation		≥100%
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 of outer jacket
Dielectric breakdown	ASTM D2671	AC 2500V min.
Volume resistivity	ASTM D2671	≥1.0×10 ¹⁴ Ω.cm
Dielectric withstand at 2500 V	ASTM D2671	≥60S
Flammability (colors only)	UL224	VW-1
Copper corrosion (175°C/16h)	ASTM D2671	No corrosion

