

Heat Shrink for Automotive Parts

A1-C Clear Wire Splice Dual Wall Heat Shrink Tube

Introduction

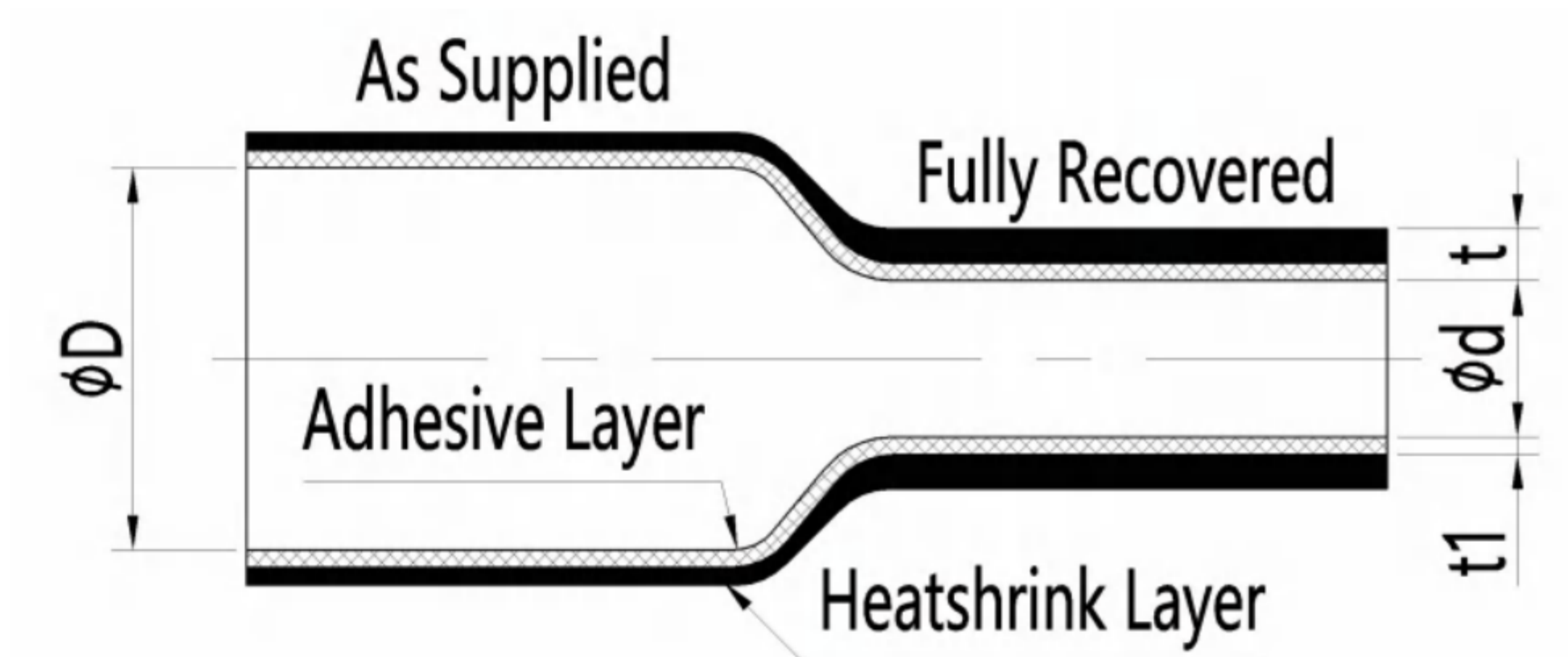
Polyolefin dual wall heat-shrinkable tube, transparent, halogen-free, high shrinkage rate, suitable for waterproof sealing and insulation protection of automotive wiring harness wire connectors, terminals and components; Length can be customized.

Features

- Operating temperature: -40~130 °C
- Shrink ratio: 4:1
- Minimum full recovery temperature: 135 °C
- Standard color: Clear
- Halogen-free and Environmentally friendly,ELV & RoHS compliant

Dimensions

Part No. A1-C	As supplied (mm)	After recovered (mm)		
	Inner diameter D (min.)	Inner diameter d (max.)	Wall thickness t (nom.)	Adhesive Wall thickness t1 (nom.)
4.0	4.0	1.00	1.00	0.50
5.75	5.75	1.25	1.20	0.60
7.5	7.5	1.65	1.80	0.90
9.0	9.0	2.30	2.00	1.00
11.0	11.0	2.40	2.20	1.20
12.7	12.7	2.80	2.60	1.40
14.0	14.0	3.00	2.60	1.40
18.3	18.3	4.45	2.60	1.40



Technical Data

Property	Test method	Requirement
Longitudinal change	ASTM D2671	$\geq -10\%$
Tensile strength	ASTM D2671	≥ 10.3 MPa
Ultimate elongation	ASTM D2671	$\geq 250\%$
Secant modulus 2% (Outer layer / recovered)	ASTM D2671	≤ 172 MPa
Low-temperature flexibility (-40°C/4h)	ASTM D2671	No cracking
Heat shock (225°C/4h)	ASTM D2671	No cracking, dripping or flowing of outer jacket
Heat resistance (158°C/168h)	ASTM D2671	No cracking on the surface
Dielectric strength (outer layer)	ASTM D2671	≥ 13.8 kV/mm
Volume resistivity	ASTM D2671	$\geq 1.0 \times 10^{12}$ Ω .cm
Water absorption (23°C/24h)	ASTM D570 method A	≤ 1.0 %
Flammability (clear)	FMVSS 302	≤ 100 mm/min.