



Heat Shrink for Automotive Parts

A1 Black Wire Splice Dual Wall Heat Shrink Tube

Introduction

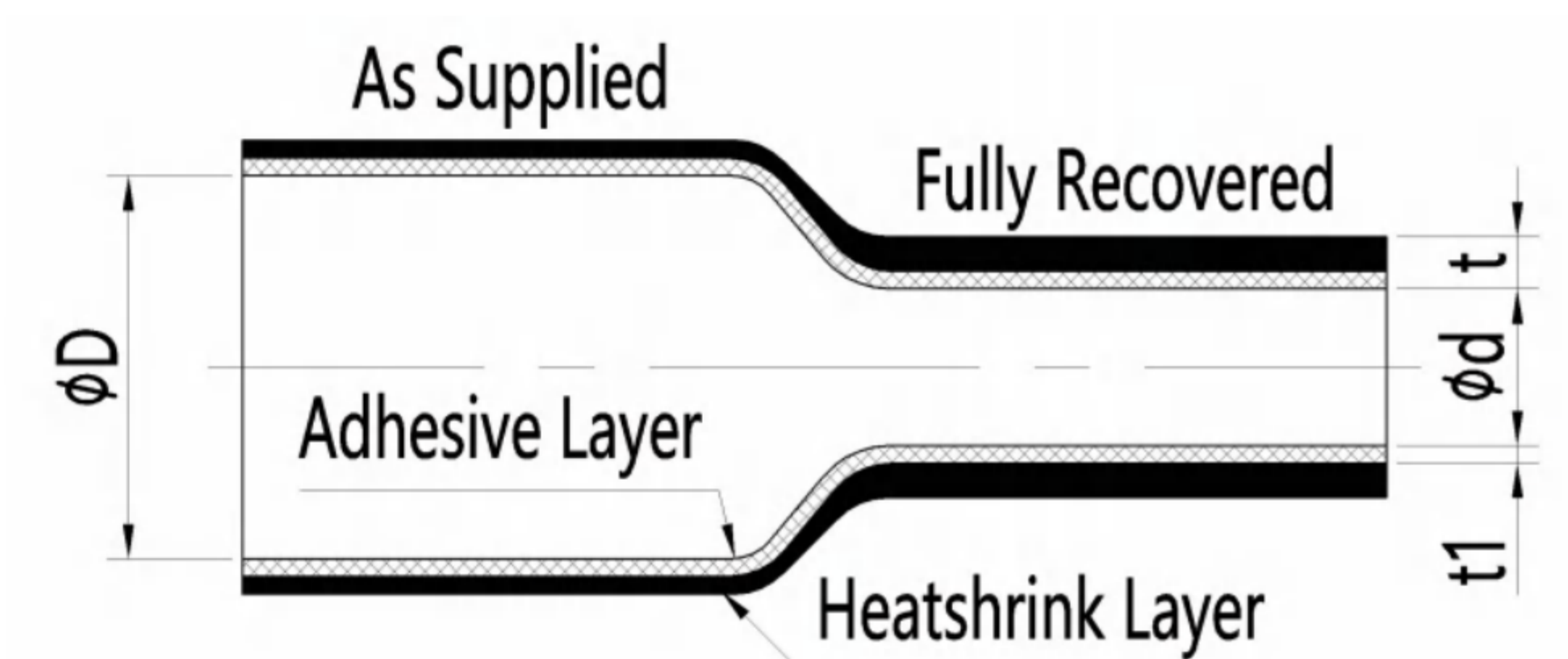
Semi-rigid polyolefin double-wall heat-shrinkable tube, high shrinkage rate, flame retardant, suitable for waterproof sealing and insulation protection of automobile wiring harness wire connectors, terminals and components; Length can be customized.

Features

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

Dimensions

Part No. A1	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	1.60	0.80
9.0	9.0	2.30	1.80	0.90
11.0	11.0	2.40	2.00	1.00
12.7	12.7	2.80	2.10	1.10
14.0	14.0	3.00	2.20	1.20
18.3	18.3	4.45	2.40	1.40



Technical Data

Property	Test method	Requirement
Material Properties		
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	≥ 137 MPa
Heat shock (225°C/4h)	ASTM D2671	No cracking, dripping or flowing (outer jacket)
Dynamic cut through	ASTM D3032	≥ 13.6 kg
Volume resistivity	ASTM D2671	$\geq 1.0 \times 10^{12}$ $\Omega \cdot \text{cm}$
Flammability (colors)	ISO 6722-1	Self-extinguishing within 30s
Splice performance		
Current leakage	Q/DLH 0006	≤ 0.25 μA
Room temperature flex test	Q/DLH 0006	
Current leakage		≤ 0.25 μA
Thermal shock	Q/DLH 0006	
Current leakage		≤ 0.25 μA
Low temperature flexibility dielectric withstand 1 minute at 1,000 volts	Q/DLH 0006	No breakdown
Heat aging	Q/DLH 0006	
Current leakage		≤ 0.25 μA
Fluid immersion	Q/DLH 0006	
Current leakage		≤ 0.25 μA
Swell		$\leq 50\%$