



Heat Shrink for Automotive Parts

S3TA-C Clear Flexible Polyolefin Dual Wall Heat Shrink Tube

Introduction

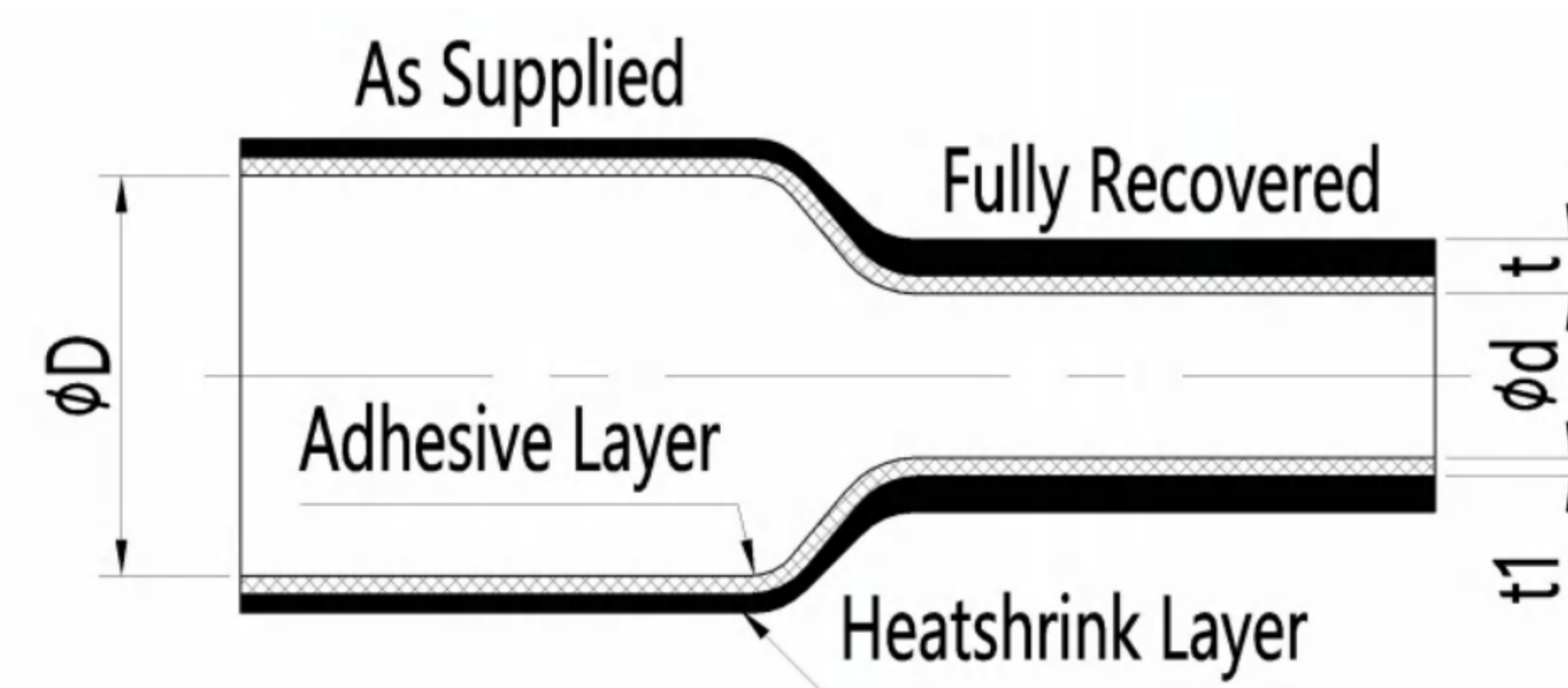
A transparent thin-wall, flexible, dual-wall adhesive-lined polyolefin heat shrink tubing. Suitable for waterproof sealing, insulation protection of automotive wire harness wire joints, terminals and components; Customized lengths available.

Features

- Operating temperature:: -40~105 °C
- Minimum full recovery temperature: 125 °C
- Environmentally friendly, ELV & RoHS compliant
- Shrink ratio: 4:1
- Color: Clear

Dimensions

Part No. S3TA-C	As supplied(mm)		After recovered(mm)		
	Inner diameter D (min.)	Wall thickness T (nom.)	Inner diameter d (max.)	Wall thickness t (nom.)	Adhesive Wall thickness t1 (nom.)
S3TA-C-4	4.0	0.45	1.0	1.2	0.6
S3TA-C-6	6.0	0.60	1.5	1.4	0.7
S3TA-C-8	8.0	0.60	2.0	1.6	0.9
S3TA-C-9	9.0	0.65	2.3	1.8	1.0
S3TA-C-11	11.0	0.65	2.4	2.0	1.1
S3TA-C-12	12.0	0.80	3.0	2.2	1.2
S3TA-C-14	14.0	0.80	3.5	2.3	1.3
S3TA-C-16	16.0	0.80	4.0	2.4	1.4
S3TA-C-18	18.0	0.80	4.5	2.6	1.4



Technical Data

Property	Test Method	Requirement
Longitudinal change	ASTM D2671	$\geq -10\%$
Tensile Strength	ASTM D2671	$\geq 10.4\text{MPa}$
Ultimate Elongation	ASTM D2671	$\geq 300\%$
Secant modulus 2% (as supplied)	ASTM D2671	$\leq 172\text{MPa}$
Low temperature flexibility(-40°C/4h)	ASTM D2671	No cracking
Heat shock(200°C/4h)	ASTM D2671	No cracking, dripping or flowing(outer jacket)
Heat aging(136°C/168h)	ASTM D2671	
Tensile strength		$\geq 7.3\text{MPa}$
Ultimate elongation		$\geq 200\%$
Dielectric strength	ASTM D2671	$\geq 12\text{kV/mm}$
Volume resistivity	ASTM D2671	$\geq 1.0 \times 10^{14}\Omega\cdot\text{cm}$
Water absorption(23°C/24h)	ASTM D2671	$\leq 0.5\%$
Copper corrosion(136°C/16h)	ASTM D2671	No corrosion
Fluid resistance	ISO37 (23°C/24h)	
Tensile Strength	Diesel fuel (BS 2869 Class A1)	$\geq 7.0\text{MPa}$
Ultimate Elongation	Hydraulic fluid (MIL-H-5606)	$\geq 100\%$
	Lubricating oil (O-149))	