

Polyolefin Heat-Shrink Tubing

FITCOTUBE® FT-WB-U-HT

Temperature resistant polyolefin heat shrink tubing coated inside with hot melt adhesive

Designed for insulation and sealing of connectors and components in the vehicle environment under the hood.

Thanks to a special formulation for use in extended temperature requirements.

Operating temperature: - 40°C to + 150°C

Shrink temperature: + 135°C

Min. full recovery temperature: + 135°C

Shrink ratio: 4 : 1 & 3 : 1

Standard colors: Black



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)*
FT-WB-U-HT-510 sw	5.10	1.30	1.20
FT-WB-U-HT-760 sw	7.62	1.65	1.50
FT-WB-U-HT-900 sw	9.02	2.29	1.60
FT-WB-U-HT-1160 sw	11.56	2.54	2.30
FT-WB-U-HT-1410 sw	14.10	3.00	2.30
FT-WB-U-HT-1780 sw	17.78	4.45	2.50
FT-WB-U-HT-2790 sw	27.94	8.38	2.50

*Wall thickness will be less if tubing recovery is restricted during shrinkage. Tolerance from nominal $\leq +30\%$

Processing note: When cutting, make sure that the cut edges are smooth.
Start shrinkage at one end. Pre-heat the metal body.

Packaging: Basically cut to length according to customer's requirement, otherwise 1.2 meter rods.

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Attributes	Testing	Value
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Mechanical

Tensile strength	ASTM D 2671	≥ 10.3 MPa
Longitudinal change	ASTM D 2671	-10 % to +0 %
Secant Modulus at 2%	ASTM D 2671	≥ 150 MPa

Thermal

Heat Shock (4h x 225°C)	ASTM D 2671	No dripping, flowing or cracking of outer jacket
Ultimate Elongation	ASTM D 2671	≥ 250 %
Fluid immersion	24hrs at +25°C (± 3°C) ASTM Reference Fuel C VV-F-800 Diesel Fuel 24hrs at +100°C (± 3°C) ASTM #3 Oil	≤ 0.25 µA

Electrical

Dielectric Strength	ASTM D 149	≥ 19.7 kV/mm
Volume resistivity	ASTM D 257	≥ 1.0×10 ¹³ Ω*cm
Current leakage	-	≤ 0.25 µA