

Polyolefin Heat-Shrink Tubing

FITCOTUBE® FT-WB

Flame retardant, polyolefin tubing with a high shrink ratio and a thick inner liner of hot melt adhesive. Thick adhesive inner liner provides excellent moisture protection and insulating. Ideal for electrical connections and components in the automotive industry.

Operating temperature: - 40°C to + 130°C

Shrink temperature: + 135°C

Shrink ratio: 4:1

Standard colors: Black



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT-WB-580 sw	5.80	1.26	1.20
FT-WB-750 sw	7.50	1.60	1.52
FT-WB-1090 sw	10.90	2.40	1.91
FT-WB-1780 sw	17.80	4.45	2.41

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Packaging: 1.2-meter-lengths. Special Sizes cut lengths or preshrunk endcaps on request.

Attributes	Testing	Requirements	Value
Mechanical			
Tensile Strength	ASTM D 2671	≥ 10.4 MPa	25.8 MPa
Ultimate Elongation	ASTM D 2671	≥ 300%	550%
Secant Modulus	ASTM D 2671	≥ 150 MPa	463 MPa
Dynamic Cut-Through	ASTM D 3032	≥ 134 N	529 N
Thermal			
Heat Shock (225°C x 4 h)	ASTM D 2671	No cracking	Pass
Heat Resistance (130°C x 7 days)	-	No cracking	Pass
Heat aging (125°C x 1008 h)	-	-	Pass
Heat cycle (125 cycles, 125°C (0.5 h) to -40°C (0.5 h))	-	-	Pass
Electrical			
Dielectric Strength	ASTM D 149	≥ 15000 V/mm	20600 V/mm
Volume Resistivity	ASTM D 2671	≥ 1.0x10 ¹² Ω*cm	9.6x10 ¹⁵ Ω*cm
Chemical			
Fluid Resistance (immersing in brake fluid, engine coolant & automatic transmission fluid for 2 h)	ASTM D 570	-	Pass
Flammability	SAE J 1128	Self-extinguishing within 70 sec.	Pass