

Polyolefin Heat-Shrink Tubing

FITCOTUBE® FT700

Cross-linked, non-meltable Polyolefin heat-shrink tube. Protection of electrical and mechanical devices in commercial applications, where smooth surfaces are required.

Operating temperature: - 55°C to +105°C, short time up to + 200°C

Shrink temperature: + 115° C / Shrinking starts at 75°C

Shrink ratio: 2: 1

Standard colors: Black, other colors on request.



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after full recovery (max.)	after full recovery (nom.)
FT700-120	1,20	0,60	0,40
FT700-160	1,60	0,80	0,43
FT700-240	2,40	1,20	0,51
FT700-320	3,20	1,60	0,51
FT700-480	4,80	2,40	0,51
FT700-640	6,40	3,20	0,64
FT700-950	9,50	4,80	0,64
FT700-1270	12,70	6,40	0,64
FT700-1900	19,10	9,50	0,76
FT700-2540	25,40	12,70	0,89
FT700-3100	31,80	15,90	0,89
FT700-3800	38,10	19,10	1,02
FT700-5100	50,80	25,40	1,14
FT700-7600	76,20	38,10	1,18

Packaging: On spools. Cut or printed lengths on request.
Special sizes on request.

Processing note: Care for clean and accurate cutting edge. Start shrinkage on the end.
Pre-heat metal body.

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Attributes	Testing	Requirements	Value
Mechanical			
Tensile Strength	ASTM D 638	Min. 10,4 MPa	23 MPa
Elongation at Break	ASTM D 638	Min. 200%	≥ 450%
Longitudinal Change	JIS C 2133	-5% ± 10%	- 5 %
Specific. Gravity	ASTM D 792	-	0,94
Secant Modulus	ASTM D 882	Max. 173 MPa	75 MPa
Thermal			
Elongation after heat ageing (136°C x 168h)	ASTM D 638	Min. 100%	≥440%
Low temperature flexibility (-55°C x 4h)	SAE-AMS-DTL-23053	No cracking	pass
Heat Shock (200°C x 168h)	SAE-AMS-DTL-23053	No cracking, flowing or dripping	pass
Shrinking starts at:	Shrink curve	-	75°C
Electrical			
Volume Resistivity	ASTM D 876	Min. 10 ¹⁶ Ω*cm	5,3 x 10 ¹⁶ Ω*cm
Dielectric Strength	ASTM D 876	-	≥20 kV/mm
Chemical			
Flammability	FMVSS 302	FMVSS 302	pass
Water Absorption	ASTM D 570	-	0,08%
Fluid Resistance (after immersion 24°C x 24h)	SAE-AMS-DTL-23053	-	-
Gasoline, Engine Oil SAE 10 W/30 and Brake Fluid	-	Min. 6,9 MPa (Tensile Strength)	≥13 MPa
Gasoline, Engine Oil SAE 10 W/30 and Brake Fluid	-	Min. 100% (Elongation)	≥ 100%