

Polyolefin Heat-Shrink Tubing

FITCOTUBE® FT300P/E

Flexible, flame-retardant, flattened, printable, thin-walled heat shrink tubing with high shrink ratio; wide variety of applications. Insulation, marking and protection, mechanical relief of wires, cables, harnesses and connectors with a large difference in diameter.

Operating temperature: -55°C to +135°C
Shrink temperature: +90°C
Shrink ratio: 3: 1
Standard colors: Yellow, white (Further colors on request)
Approvals: UL-File E191514



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT300P/E-2.4/0.8	2.4	0.8	0.53
FT300P/E-3/1	3.0	1.0	0.58
FT300P/E-4.8/1.5	4.8	1.6	0.58
FT300P/E-6/2	6.0	2.0	0.63
FT300P/E-9/3	9.0	3.0	0.63
FT300P/E-12/4	12.0	4.0	0.68
FT300P/E-19/6	19.0	6.0	0.90
FT300P/E-25/8	25.0	8.0	1.00
FT300P/E-38/12	38.0	12.0	1.10

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

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Attributes	Testing	Value
Print performance		
Adherence test	SAE AS 81531	pass
Fluid resistance	MIL-STD-202G method 245K	pass
Isopropyl Alcohol/Mineral Spirits Blend	10 rubs (X3)	pass
Terpentine Defluxer	10 rubs (X3)	pass
H ₂ O/PGME/Monoethanolamine	10 rubs (X3)	pass
Mechanical		
Tensile strength	ASTM D 638	13 M/mm ²
Elongation at break	ASTM D 638	300%
Longitudinal change	ASTM D 2671	-10% - +1%
Water Absorption	ASTM D 570	0.20 %
Specific gravity	ASTM D 792	1.45
Thermal		
Heat shock 4 hrs at 250°C	ASTM D 2671	no cracking, flowing or dripping
Heat aging 168 hours at 175°C	ASTM D 638	Elongation 200%
Low temp. flexibility at -55°C	ASTM D 2671 C	No cracking
Flammability	UL224	Pass
Electrical		
Dielectric strength	ASTM D 2671	20 kV/mm
Volume resistivity	ASTM D 257	10 ¹⁶ Ω * cm
Chemical		
Chemical resistance	AMS-DTL-23053/5	good
Copper corrosion	ASTM D 2671 B	No corrosion