

Polyolefin Heat-Shrink Tubing

FITCOTUBE[®] FT500P/E

Attributes	Testing	Value
Print execution		
Adherence test	SAE AS S5942 4.1	Printing readable
Fluid resistance:	MIL-STD-202H method 215K	Pass
Isopropyl Alcohol / Mineral Spirits Blend	10 rubs (X3)	Printing readable
Terpene Defluxer	10 rubs (X3)	Printing readable
H ₂ O / PGME / Monoethanolamine	10 rubs (X3)	Printing readable
Mechanical		
Tensile strength	ASTM D 638	10 N/mm ²
Ultimate Elongation	ASTM D 638	200 %
Longitudinal change	ASTM D 2671	-10% to +5%
Specific density	ASTM D 792	1.40
Thermal		
Low temperature flexibility (-55°C)	IEC 60684-2	No break, no crack, no detachment of coating or delamination
Long term aging (168h x 150°C)	ASTM D 638	Elongation ≥ 100%
Heat Shock (4h x 175°C)	ASTM D 2671	No cracking, flowing or dripping
Flammability	ASTM D 635-HB	Pass
Smoke index	NF F16-101	Smoke class F1
Optical smoke density (D _m)	ASTM DE 662	Flaming mode 41 Non-flaming mode 111
Electrical		
Dielectric strength	ASTM D 2671	20 kV/mm
Volume resistance	ASTM D 257	10 ¹⁴ Ωxcm
Chemical		
Chemical resistance	ASTM-DTL-23053/5	Good
Water absorption	ASTM D 570	≤ 0.15 %
Oxygen index	EN ISO 4589-2	35%
Copper Corrosion	ASTM D 2671 B	No corrosion

GREMCO GmbH · Sterzinger Str. 6 · D-86165 Augsburg · T +49.821.272 63-0 · F +49.821.272.63-44 · info@gremco.de · www.gremco.de • PDS No.: 20240911110315 Version: UWM0924-1 Print Date: 13 Dec. 24

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