



Polyolefin Heat-Shrink Tubing

# FITCOTUBE<sup>®</sup> FT400

Properties	Test Method	Requirements	Typical Value
<b>Mechanical</b>			
Tensile strength	ASTM D 638	Min. 10.4 MPa	≥ 12 MPa
Ultimate elongation	ASTM D 638	Min. 200 %	≥ 400 %
Longitudinal change	SAE-AS23053	± 5 %	± 3 %
Elastic modulus	ASTM D 882	Max. 173 MPa	65 MPa
Specific density	ASTM D 792	Max. 1.35	1.34
<b>Thermal</b>			
Low temperature flexibility (4h x -55°C)	SAE-AS23053	No cracking	Pass
Heat shock (4h x 250°C)	SAE-AS23053	No cracking, flowing or dripping	Pass
Elongation after long term aging (168h x 175°C)	SAE-AS23053	Min. 100 %	420 %
Flammability	UL 224	Self-extinguishing	Pass
<b>Electrical</b>			
Dielectric strength	ASTM D 876	Min. 19.7 kV/mm	≥ 37 kV/mm
Volume resistance	ASTM D 876	Min. 10 <sup>14</sup> Ω*cm	3.1 x 10 <sup>14</sup> Ω*cm
<b>Chemical</b>			
Water absorption	ASTM D 570	Max. 0.5 %	0.25 %
Fungus resistance	SAE-AS23053	ASTM G 21	Pass
Color stability (24h x 175°C)	SAE-AS23053	No change	Pass
Copper corrosion (16h x 150°C)	SAE-AS23053	No corrosion	Pass
Fluid resistance (24h x 24°C)	SAE-AS23053	Min. 6,9 MPa (Tensile strength)	7.25 - 14 MPa