

LATI Latishield 87/28-10A G/20 PC, Steel/Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Stainless Steel Fiber

Material Notes:

EMI shielding product based on Polycarbonate (PC). Steel fibers. Glass fibers. Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North America
Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latishield-8728-10A-G20-PC-SteelGlass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	
Linear Mold Shrinkage, Transverse	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	5.10 GPa	740 ksi	
Charpy Impact Unnotched	4.50 J/cm ²	21.4 ft-lb/in ²	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	145 Â°C	293 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	140 Â°C	284 Â°F	
Vicat Softening Point	150 Â°C @Load 5.00 kg	302 Â°F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 ohm-cm	1000 ohm-cm	
Surface Resistance	100 ohm	100 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	275 - 320 Â°C	527 - 608 Â°F	

Mold Temperature Processing Properties	80.0 - 110 Å°C Metric	176 - 230 Å°F English	Comments
Drying Temperature	110 - 130 Å°C	230 - 266 Å°F	

Descriptive Properties	Value	Comments
Electromagnetic reflection	90 dB	
ISO Shrinkage - Pressure	60 MPa	

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