

LATI Latishield 85-08A G/20 PES, Steel/Glass Fibers

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

EMI shielding product based on Polyether Sulfone (PES). 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-85-08A-G20-PES-SteelGlass-Fibers.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0050 cm/cm	0.0035 - 0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.0090 cm/cm	0.0075 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	7.00 GPa	1020 ksi	
Charpy Impact Unnotched	4.50 J/cm ²	21.4 ft-lb/in ²	
Charpy Impact, Notched	0.550 J/cm ²	2.62 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	215 Â°C	419 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	205 Â°C	401 Â°F	
Vicat Softening Point	210 Â°C @Load 5.00 kg	410 Â°F @Load 11.0 lb	
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	7.8 ohm	7.8 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	300 - 340 Â°C	572 - 644 Â°F	
Mold Temperature	100 - 130 Â°C	212 - 266 Â°F	
Drying Temperature	110 - 130 Â°C	230 - 266 Â°F	

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

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