

LATI Latishield 75/4- 10A PBT, Steel Fiber Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

EMI shielding product based on Polybutylene Terephthalate (PBT). Steel 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-754-10A-PBT-Steel-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	
Linear Mold Shrinkage, Flow	0.017 - 0.020 cm/cm	0.017 - 0.020 in/in	
Linear Mold Shrinkage, Transverse	0.017 - 0.020 cm/cm	0.017 - 0.020 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	
Elongation at Break	>= 100 %	>= 100 %	
Elongation at Yield	4.0 %	4.0 %	
Tensile Modulus	2.20 GPa	319 ksi	
Charpy Impact Unnotched	3.00 J/cm ²	14.3 ft-lb/in ²	
Charpy Impact, Notched	0.350 J/cm ²	1.67 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	165 Â°C	329 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	65.0 Â°C	149 Â°F	
Vicat Softening Point	180 Â°C @Load 5.00 kg	356 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
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Melt Temperature Processing Properties	240 - 250 Â°C Metric	464 - 482 Â°F English	Comments
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 Â°F	
Drying Temperature	100 - 120 Â°C	212 - 248 Â°F	

Descriptive Properties	Value	Comments
Electromagnetic reflection	94 dB	
ISO Shrinkage - Pressure	60 MPa	

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