

LATI Latishield 66-10A PA66, Steel Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Stainless Steel Filled; EMI Grade

Material Notes:

EMI shielding product based on Polyamide 66 (PA66). 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-66-10A-PA66-Steel-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	
Linear Mold Shrinkage, Flow	0.012 - 0.015 cm/cm	0.012 - 0.015 in/in	
Linear Mold Shrinkage, Transverse	0.0125 - 0.0155 cm/cm	0.0125 - 0.0155 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	
Elongation at Break	7.5 %	7.5 %	
Elongation at Yield	3.0 %	3.0 %	
Tensile Modulus	3.80 GPa	551 ksi	
Charpy Impact Unnotched	3.50 J/cm ²	16.7 ft-lb/in ²	
Charpy Impact, Notched	0.330 J/cm ²	1.57 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)	75.0 Â°C	167 Â°F	
Vicat Softening Point	230 Â°C @Load 5.00 kg	446 Â°F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	200 ohm-cm	200 ohm-cm	
Surface Resistance	20 ohm	20 ohm	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	230 - 250 Â°C Metric	446 - 482 Â°F English	Comments
Mold Temperature	70.0 - 100 Â°C	158 - 212 Â°F	
Drying Temperature	90.0 - 100 Â°C	194 - 212 Â°F	

Descriptive Properties	Value	Comments
Electromagnetic reflection	96 dB	
ISO Shrinkage - Pressure	60 MPa	

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