

LATI Latishield 52/5-07A PP Homopolymer, Steel Fiber Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Stainless Fiber, EMI

Material Notes:

EMI shielding product based on Polypropylene homopolymer (PPh). 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-525-07A-PP-Homopolymer-Steel-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/in ³	
Linear Mold Shrinkage, Flow	0.014 - 0.017 cm/cm	0.014 - 0.017 in/in	
Linear Mold Shrinkage, Transverse	0.014 - 0.017 cm/cm	0.014 - 0.017 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	
Elongation at Break	20 %	20 %	
Elongation at Yield	8.0 %	8.0 %	
Tensile Modulus	2.00 GPa	290 ksi	
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	
Charpy Impact, Notched	0.300 J/cm ²	1.43 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	105 °C	221 °F	
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	
Vicat Softening Point	105 °C @Load 5.00 kg	221 °F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	100 ohm	100 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 220 °C	356 - 428 °F	

Mold Temperature Processing Properties	20.0 - 40.0 °C Metric	68.0 - 104 °F English	Comments
Drying Temperature	80.0 - 90.0 °C	176 - 194 °F	

Descriptive Properties	Value	Comments
Electromagnetic reflection	86 dB	
ISO Shrinkage - Pressure	60 MPa	

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