

LATI Latishield 73/13-07A POM, Steel Fiber Reinforced

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Steel Filled

Material Notes:

EMI shielding product based on Polyoxymethylene (POM). 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-7313-07A-POM-Steel-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	
Linear Mold Shrinkage, Flow	0.020 - 0.023 cm/cm	0.020 - 0.023 in/in	
Linear Mold Shrinkage, Transverse	0.0205 - 0.0225 cm/cm	0.0205 - 0.0225 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
Elongation at Break	20 %	20 %	
Elongation at Yield	8.5 %	8.5 %	
Tensile Modulus	3.00 GPa	435 ksi	
Charpy Impact Unnotched	6.00 J/cm ²	28.6 ft-lb/in ²	
Charpy Impact, Notched	0.450 J/cm ²	2.14 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	150 Â°C	302 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	110 Â°C	230 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	135 ohm-cm	135 ohm-cm	
Surface Resistance	48 ohm	48 ohm	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	175 - 200 Å°C Metric	347 - 392 Å°F English	Comments
Mold Temperature	70.0 - 90.0 Å°C	158 - 194 Å°F	
Drying Temperature	80.0 - 90.0 Å°C	176 - 194 Å°F	

Descriptive Properties	Value	Comments
Electromagnetic reflection	95 dB	
ISO Shrinkage - Pressure	60 MPa	

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