

LATI Latishield 36/AR-08A G/17-V0E ABS, Steel/Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

EMI shielding product based on Acrylonitrile-Butadiene-Styrene copolymer (ABS). Steel fibers. Glass fibers. UL94 V-0 classified, with brominated flame retardants, PBB/PBDE free. 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-36AR-08A-G17-V0E-ABS-SteelGlass-Fiber-Reinforced-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	
Linear Mold Shrinkage, Flow	0.0050 - 0.0065 cm/cm	0.0050 - 0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.0055 - 0.0075 cm/cm	0.0055 - 0.0075 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	
Elongation at Break	1.5 %	1.5 %	
Tensile Modulus	5.30 GPa	769 ksi	
Charpy Impact Unnotched	0.800 J/cm ²	3.81 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)	95.0 Â°C	203 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	85.0 Â°C	185 Â°F	
Vicat Softening Point	85.0 Â°C @Load 5.00 kg	185 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	

Electrical Properties	Metric	English	Comments
Surface Resistance	50 ohm	50 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 230 Â°C	374 - 446 Â°F	
Mold Temperature	50.0 - 70.0 Â°C	122 - 158 Â°F	
Drying Temperature	70.0 - 80.0 Â°C	158 - 176 Â°F	

Descriptive Properties	Value	Comments
Electromagnetic reflection	82 dB	
ISO Shrinkage - Pressure	60 MPa	

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