

## LATI Latishield 36/AR-10A-V0E ABS, Steel Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Stainless Steel Fiber Filled

### Material Notes:

EMI shielding product based on Acrylonitrile-Butadiene-Styrene copolymer (ABS). Steel fibers. UL94 V-0 classified, with brominated flame retardants, PBB/PBDE free. Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LATI-Latishield-36AR-10A-V0E-ABS-Steel-Fiber-Reinforced-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LATI-Latishield-36AR-10A-V0E-ABS-Steel-Fiber-Reinforced-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0060 - 0.0085 cm/cm	0.0060 - 0.0085 in/in	
Linear Mold Shrinkage, Transverse	0.0070 - 0.0095 cm/cm	0.0070 - 0.0095 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	
Elongation at Break	2.2 %	2.2 %	
Tensile Modulus	2.70 GPa	392 ksi	
Charpy Impact Unnotched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.250 J/cm <sup>2</sup>	1.19 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 Â°C	185 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	80.0 Â°C	176 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	

Electrical Properties	Metric	English	Comments
Surface Resistance	10 ohm	10 ohm	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	180 - 220 Å°C Metric	356 - 428 Å°F English	Comments
Mold Temperature	40.0 - 60.0 Å°C	104 - 140 Å°F	
Drying Temperature	70.0 - 80.0 Å°C	158 - 176 Å°F	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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