

## LATI Latishield 36/SP-05A ABS, Steel Fiber Reinforced

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. 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-36SP-05A-ABS-Steel-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Latishield-36SP-05A-ABS-Steel-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0065 - 0.0085 cm/cm	0.0065 - 0.0085 in/in	
Linear Mold Shrinkage, Transverse	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
Elongation at Break	3.5 %	3.5 %	
Elongation at Yield	2.0 %	2.0 %	
Tensile Modulus	2.40 GPa	348 ksi	
Charpy Impact Unnotched	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.400 J/cm <sup>2</sup>	1.90 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	

Electrical Properties	Metric	English	Comments
Surface Resistance	50 ohm	50 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 250 Â°C	410 - 482 Â°F	

Mold Temperature Processing Properties	40.0 - 60.0 Â°C Metric	104 - 140 Â°F English	Comments
Drying Temperature	70.0 - 80.0 Â°C	158 - 176 Â°F	

Descriptive Properties	Value	Comments
Electromagnetic reflection	92 dB	
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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