

## LATI Lastilac MR MDT05-01 ABS

Category : Polymer , Thermoplastic , ABS Polymer

### Material Notes:

Acrylonitrile-Butadiene-Styrene copolymer (ABS) based compound. Magnetic detectable filler. High dimensional stability. 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-Lastilac-MR-MDT05-01-ABS.php](http://www.lookpolymers.com/polymer_LATI-Lastilac-MR-MDT05-01-ABS.php)

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa @Temperature 23.0 °C	2900 psi @Temperature 73.4 °F	
Elongation at Break	8.5 % @Temperature 23.0 °C	8.5 % @Temperature 73.4 °F	
Tensile Modulus	1.85 GPa @Temperature 23.0 °C	268 ksi @Temperature 73.4 °F	
Charpy Impact Unnotched	3.50 J/cm <sup>2</sup> @Temperature 23.0 °C	16.7 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	
Charpy Impact, Notched	0.850 J/cm <sup>2</sup> @Temperature 23.0 °C	4.04 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 °C	167 °F	
Deflection Temperature at 1.8 MPa (264 psi)	90.0 °C	194 °F	
Vicat Softening Point	80.0 °C @Load 5.00 kg	176 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 260 Â°C	428 - 500 Â°F	
Mold Temperature	30.0 - 50.0 Â°C	86.0 - 122 Â°F	
Drying Temperature	70.0 - 80.0 Â°C @Time 10800 sec	158 - 176 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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