

## LATI Latigea B01 F1 Bio-Polymer

Category : Polymer , Thermoplastic , Polylactic Acid (PLA) Biopolymer

### Material Notes:

Bio-Polymer (PLA, PHB, ...). Unfilled. Potentially suitable for food/medical contact application. 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-Latigea-B01-F1-Bio-Polymer.php](http://www.lookpolymers.com/polymer_LATI-Latigea-B01-F1-Bio-Polymer.php)

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 psi	
Elongation at Break	4.5 %	4.5 %	
Elongation at Yield	2.8 %	2.8 %	
Tensile Modulus	3.00 GPa	435 ksi	
Charpy Impact Unnotched	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.140 J/cm <sup>2</sup>	0.666 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	55.0 Â°C	131 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	50.0 Â°C	122 Â°F	
Vicat Softening Point	60.0 Â°C @Load 5.00 kg	140 Â°F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	170 - 190 Â°C	338 - 374 Â°F	
Mold Temperature	15.0 - 30.0 Â°C	59.0 - 86.0 Â°F	
Drying Temperature	40.0 - 50.0 Â°C @Time 21600 sec	104 - 122 Â°F @Time 6.00 hour	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
ISO Shrinkage - Pressure		60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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