

LATI Latimass 37 B01-01 D025 Bio-Polymer

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

Material Notes:

Specific density compound based on Bio-Polymer (PLA, PHB, ...). Special filler. 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-Latimass-37-B01-01-D025-Bio-Polymer.php

Physical Properties	Metric	English	Comments
Density	2.47 g/cc	0.0892 lb/in ³	
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	40.0 MPa	5800 psi	
Elongation at Break	0.50 %	0.50 %	
Tensile Modulus	8.10 GPa	1170 ksi	
Charpy Impact Unnotched	0.500 J/cm ²	2.38 ft-lb/in ²	
Charpy Impact, Notched	0.100 J/cm ²	0.476 ft-lb/in ²	

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

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 200 °C	356 - 392 °F	
Mold Temperature	15.0 - 30.0 °C	59.0 - 86.0 °F	
Drying Temperature	40.0 - 50.0 °C @Time 21600 sec	104 - 122 °F @Time 6.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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