

LATI Latigray 37 B01-01 CX/35 Bio-Polymer

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

Material Notes:

Radiopaque compound based on Bio-Polymer (PLA, PHB, ...). Special mineral 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-Latigray-37-B01-01-CX35-Bio-Polymer.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in ³	
Linear Mold Shrinkage, Flow	0.0015 - 0.0040 cm/cm	0.0015 - 0.0040 in/in	
Linear Mold Shrinkage, Transverse	0.0015 - 0.0040 cm/cm	0.0015 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
Elongation at Break	3.5 %	3.5 %	
Tensile Modulus	8.80 GPa	1280 ksi	
Charpy Impact Unnotched	1.20 J/cm ²	5.71 ft-lb/in ²	
Charpy Impact, Notched	0.180 J/cm ²	0.857 ft-lb/in ²	

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	180 - 200 Â°C	356 - 392 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	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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