

LATI Latamid 6 S/30 PA 6, 30% Glass Bead Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass Bead Filled

Material Notes:

Polyamide 6 (PA6) based compound. Glass beads. Very 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-Latamid-6-S30-PA-6-30-Glass-Bead-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	
Linear Mold Shrinkage, Flow	0.0090 - 0.012 cm/cm	0.0090 - 0.012 in/in	
Linear Mold Shrinkage, Transverse	0.010 - 0.0125 cm/cm	0.010 - 0.0125 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	25.0 MPa	3630 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	35.0 MPa	5080 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	45.0 MPa	6530 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	70.0 MPa	10200 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	4.0 %	4.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	10 %	10 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	15 %	15 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	35 %	35 %	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Elongation at Yield	8.0 %	8.0 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	12 %	12 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	12 %	12 %	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	14 %	14 %	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Tensile Modulus	0.580 GPa	84.1 ksi	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	0.700 GPa	102 ksi	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	1.10 GPa	160 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	2.00 GPa	290 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	4.20 GPa	609 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	2.50 J/cmÅ²	11.9 ft-lb/inÅ²	
Charpy Impact, Notched	0.300 J/cmÅ²	1.43 ft-lb/inÅ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 Å°C	194 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	195 Å°C	383 Å°F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	205 Â°C	401 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 260 Â°C	464 - 500 Â°F	
Mold Temperature	70.0 - 100 Â°C	158 - 212 Â°F	
Drying Temperature	90.0 - 100 Â°C	194 - 212 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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