

LATI Latamid 6 H2 G/50 PA 6, 50% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 50% Glass Fiber Filled

Material Notes:

Polyamide 6 (PA6) based compound. Heat stabilized. Glass fibers. 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-H2-G50-PA-6-50-Glass-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in ³	
Linear Mold Shrinkage, Flow	0.0025 - 0.0045 cm/cm	0.0025 - 0.0045 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	115 MPa	16700 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	130 MPa	18900 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	160 MPa	23200 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	215 MPa	31200 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.5 %	2.5 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.0 %	3.0 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.8 %	3.8 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	4.5 %	4.5 %	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Tensile Modulus	6.00 GPa	870 ksi	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	6.90 GPa	1000 ksi	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	8.50 GPa	1230 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	12.5 GPa	1810 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	15.5 GPa	2250 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	8.50 J/cmÅ²	40.4 ft-lb/inÅ²	
Charpy Impact, Notched	1.50 J/cmÅ²	7.14 ft-lb/inÅ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 Å°C	266 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	225 Å°C	437 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	215 Å°C	419 Å°F	
Vicat Softening Point	220 Å°C	428 Å°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	
	@Thickness 0.750 mm	@Thickness 0.0295 in	

Thermal Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Melt Temperature	240 - 280 Â°C	464 - 536 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	
Drying Temperature	90.0 - 100 Â°C @Time 10800 sec	194 - 212 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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