

LATI Latamid 6 H2 G/35 PA 6, 35% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 40% Glass Fiber Filled

Material Notes:

Polyamide 6 (PA6) based compound. Heat stabilized. Glass fibersAvailability: Africa & Middle East; Asia Pacific; Europe; Latin America; North AmericaInformation provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latamid-6-H2-G35-PA-6-35-Glass-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	90.0 MPa	13100 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	100 MPa	14500 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	130 MPa	18900 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	175 MPa	25400 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	3.0 %	3.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.8 %	3.8 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	5.0 %	5.0 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	6.0 %	6.0 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	3.70 GPa	537 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	4.60 GPa	667 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	5.80 GPa	841 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	8.50 GPa	1230 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	10.5 GPa	1520 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	7.50 J/cmÂ²	35.7 ft-lb/inÂ²	
Charpy Impact, Notched	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 Â°C	266 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	220 Â°C	428 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	205 Â°C	401 Â°F	
Vicat Softening Point	215 Â°C	419 Â°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
Processing Properties	Metric	English	Comments
Melt Temperature	240 - 260 Â°C	464 - 500 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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