

LATI Latamid 6 H2 G/55 PA 6, 55% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 60% 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-G55-PA-6-55-Glass-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in ³	
Linear Mold Shrinkage, Flow	0.0020 - 0.0045 cm/cm	0.0020 - 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	105 MPa	15200 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	120 MPa	17400 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	135 MPa	19600 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	165 MPa	23900 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	220 MPa	31900 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	
	2.9 %	2.9 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.6 %	3.6 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	4.4 %	4.4 %	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Tensile Modulus	6.20 GPa	899 ksi	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	7.60 GPa	1100 ksi	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	9.30 GPa	1350 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	13.7 GPa	1990 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	17.0 GPa	2470 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	

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

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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