

LATI Latamid 66 LH2 G/35 PA 66, 35% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Heat Stabilized

Material Notes:

Polyamide 66 (PA66) based compound. Oil stabilized. 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-66-LH2-G35-PA-66-35-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	0.0035 - 0.0065 cm/cm	0.0035 - 0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.0105 cm/cm	0.0075 - 0.0105 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	100 MPa	14500 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	110 MPa	16000 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	140 MPa	20300 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	180 MPa	26100 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	
	3.2 %	3.2 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	4.2 %	4.2 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	4.9 %	4.9 %	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Tensile Modulus	4.40 GPa	638 ksi	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	5.80 GPa	841 ksi	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	7.90 GPa	1150 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	9.20 GPa	1330 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	10.2 GPa	1480 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	5.00 J/cmÅ²	23.8 ft-lb/inÅ²	
Charpy Impact, Notched	0.800 J/cmÅ²	3.81 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)	260 Å°C	500 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	250 Å°C	482 Å°F	
Vicat Softening Point	255 Å°C	491 Å°F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 Å°C	518 - 554 Å°F	
Mold Temperature	70.0 - 90.0 Å°C	158 - 194 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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