

LATI Latamid 66 H2 G/25 PA 66, 25% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Polyamide 66 (PA66) 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-66-H2-G25-PA-66-25-Glass-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	
Linear Mold Shrinkage, Transverse	0.0085 - 0.0115 cm/cm	0.0085 - 0.0115 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		
Elongation at Break	125 MPa	18100 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	160 MPa	23200 psi	
@Temperature 23.0 Â°C	@Temperature 73.4 Â°F		
Elongation at Break	3.4 %	3.4 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	4.2 %	4.2 %	
@Temperature 60.0 Â°C	@Temperature 140 Â°F		
Elongation at Break	5.9 %	5.9 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	6.7 %	6.7 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	3.60 GPa	522 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	4.80 GPa	696 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	6.80 GPa	986 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	8.10 GPa	1170 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	8.90 GPa	1290 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	6.00 J/cmÂ²	28.6 ft-lb/inÂ²	
Charpy Impact, Notched	0.800 J/cmÂ²	3.81 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 Â°C	257 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	260 Â°C	500 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	245 Â°C	473 Â°F	
Vicat Softening Point	255 Â°C	491 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
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Processing Properties	Metric	English	Comments
Melt Temperature	275 - 300 Â°C	527 - 572 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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