

LATI Latamid 66 H2 G/35 PA 66, 35% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% 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-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 - 0.0060 cm/cm	0.0035 - 0.0060 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	90.0 MPa	13100 psi	
	@Temperature 150 °C	@Temperature 302 °F	
	105 MPa	15200 psi	
	@Temperature 120 °C	@Temperature 248 °F	
	115 MPa	16700 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	145 MPa	21000 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	185 MPa	26800 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	2.8 %	2.8 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	3.5 %	3.5 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	4.7 %	4.7 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
	5.2 %	5.2 %	
	@Temperature 120 °C	@Temperature 248 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	4.90 GPa	711 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	6.20 GPa	899 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	8.30 GPa	1200 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	9.50 GPa	1380 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	10.5 GPa	1520 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	7.00 J/cm ²	33.3 ft-lb/in ²	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 °C	266 °F	
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	
Vicat Softening Point	255 °C	491 °F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	275 - 300 °C	527 - 572 °F	
Mold Temperature	80.0 - 100 °C	176 - 212 °F	
Drying Temperature	90.0 - 100 °C	194 - 212 °F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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