

LATI Latamid 66 H2 G/50-GWHF1 PA 66, 50% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 50% Glass Fiber Filled

Material Notes:

Polyamide 66 (PA66) based compound. Heat stabilized. Glass fibers. improved G.W.F.I. compared to standard product. 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-G50-GWHF1-PA-66-50-Glass-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0080 - 0.012 cm/cm	0.0080 - 0.012 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	
	110 MPa	16000 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	150 MPa	21800 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	205 MPa	29700 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.2 %	2.2 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.0 %	3.0 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.8 %	3.8 %	

Mechanical Properties	@Temperature 90.0 Metric °C	@Temperature 194 °F English	Comments
	4.1 %	4.1 %	
	@Temperature 120 °C	@Temperature 248 °F	
	4.4 %	4.4 %	
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	5.00 GPa	725 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	6.00 GPa	870 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	6.50 GPa	943 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	11.0 GPa	1600 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	16.5 GPa	2390 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	6.50 J/cm ²	30.9 ft-lb/in ²	
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 °C	275 °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	
Oxygen Index	27 %	27 %	
Glow Wire Test	800 °C	1470 °F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	800 °C	1470 °F	GWFI/GWT

Thermal Properties	@Thickness 2.00 mm Metric	@Thickness 0.0787 in English	Comments
Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 Â°C	518 - 554 Â°F	
Mold Temperature	70.0 - 100 Â°C	158 - 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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