

LATI Latamid 66 H2 G/25-V0KB4 PA 66, 25% Glass Fiber Reinforced, Heat Stabilized, Flame Retardant

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

Material Notes:

Polyamide 66 (PA66) based compound. Heat stabilized. Glass fibers. UL94 V-0 classified, with red phosphorous. 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-V0KB4-PA-66-25-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	
Linear Mold Shrinkage, Transverse	0.0105 - 0.013 cm/cm	0.0105 - 0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
	@Temperature 150 °C	@Temperature 302 °F	
	40.0 MPa	5800 psi	
	@Temperature 120 °C	@Temperature 248 °F	
	50.0 MPa	7250 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	70.0 MPa	10200 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	110 MPa	16000 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	2.2 %	2.2 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.0 %	4.0 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	5.0 %	5.0 %	
	@Temperature 150 °C	@Temperature 302 °F	
	5.5 %	5.5 %	

Mechanical Properties	@Temperature 120 °C Metric	@Temperature 248 °F English	Comments
	6.0 %	6.0 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Elongation at Yield	3.5 %	3.5 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	4.8 %	4.8 %	
	@Temperature 150 °C	@Temperature 302 °F	
	5.0 %	5.0 %	
	@Temperature 120 °C	@Temperature 248 °F	
	5.2 %	5.2 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Tensile Modulus	2.00 GPa	290 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	2.30 GPa	334 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	2.80 GPa	406 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	4.70 GPa	682 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	6.80 GPa	986 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	5.00 J/cm ²	23.8 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	6.00 J/cm ²	28.6 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	1.30 J/cm ²	6.19 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
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Maximum Service Temperature, Air Thermal Properties	125 °C Metric	257 °F English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	255 °C	491 °F	
Deflection Temperature at 1.8 MPa (264 psi)	235 °C	455 °F	
Vicat Softening Point	235 °C @Load 5.00 kg	455 °F @Load 11.0 lb	
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	
Oxygen Index	27 %	27 %	
Glow Wire Test	775 °C @Thickness 1.00 mm	1430 °F @Thickness 0.0394 in	GWIT
	800 °C @Thickness 2.00 mm	1470 °F @Thickness 0.0787 in	GWIT
	960 °C @Thickness 1.00 mm	1760 °F @Thickness 0.0394 in	GWFI/GWT
	960 °C @Thickness 2.00 mm	1760 °F @Thickness 0.0787 in	GWFI/GWT

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 °C	518 - 554 °F	
Mold Temperature	70.0 - 100 °C	158 - 212 °F	
Drying Temperature	90.0 - 100 °C @Time 10800 sec	194 - 212 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
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ISO Shrinkage - Pressure Descriptive Properties	60 MPa Value	Comments
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