

LATI Latamid 66 H2 G/35-V0KB PA 66, 35% Glass Fiber Reinforced, Heat Stabilized, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% 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-G35-V0KB-PA-66-35-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 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 - 0.105 cm/cm	0.0075 - 0.105 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		
Elongation at Break	145 MPa	21000 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	185 MPa	26800 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.3 %	2.3 %	
@Temperature 23.0 Â°C	@Temperature 73.4 Â°F		
	2.9 %	2.9 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.8 %	3.8 %	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	4.2 %	4.2 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	4.5 %	4.5 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	5.80 GPa	841 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	6.80 GPa	986 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	7.70 GPa	1120 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	11.0 GPa	1600 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	12.5 GPa	1810 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	8.00 J/cmÂ²	38.1 ft-lb/inÂ²	
Charpy Impact, Notched	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 Â°C	266 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	260 Â°C	500 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	255 Â°C	491 Â°F	
Vicat Softening Point	250 Â°C	482 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Thermal Properties	V-g Metric	V-g English	Comments
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	28 %	28 %	
Glow Wire Test	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	450 V	450 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	194 - 212 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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