

LATI Latamid 66 H2 G/35-V0KB1 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-V0KB1-PA-66-35-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.010 cm/cm	0.0075 - 0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.0 MPa	10900 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	85.0 MPa	12300 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	105 MPa	15200 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	140 MPa	20300 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	185 MPa	26800 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.5 %	2.5 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.1 %	3.1 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	4.0 %	4.0 %	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	4.5 %	4.5 %	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	4.7 %	4.7 %	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Tensile Modulus	4.40 GPa	638 ksi	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	5.30 GPa	769 ksi	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	6.30 GPa	914 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	9.60 GPa	1390 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	11.0 GPa	1600 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	7.00 J/cmÅ²	33.3 ft-lb/inÅ²	
Charpy Impact, Notched	1.00 J/cmÅ²	4.76 ft-lb/inÅ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 Å°C	257 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	260 Å°C	500 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	255 Å°C	491 Å°F	
Vicat Softening Point	255 Å°C	491 Å°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	HB	HB	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Thermal Properties	V-0 Metric	V-0 English	Comments
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Oxygen Index	27 %	27 %	
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	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	194 - 212 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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