

LATI Latamid 66 H2 G/25-V0KB1 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-V0KB1-PA-66-25-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0065 cm/cm	0.0035 - 0.0065 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	55.0 MPa	7980 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	65.0 MPa	9430 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	80.0 MPa	11600 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	115 MPa	16700 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	145 MPa	21000 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	3.1 %	3.1 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.8 %	3.8 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	5.2 %	5.2 %	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	5.7 %	5.7 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	6.0 %	6.0 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Elongation at Yield	4.5 %	4.5 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	4.8 %	4.8 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	5.5 %	5.5 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	0.330 GPa	47.9 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	4.00 GPa	580 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	4.80 GPa	696 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	7.30 GPa	1060 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	8.40 GPa	1220 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	5.50 J/cmÂ²	26.2 ft-lb/inÂ²	
Charpy Impact, Notched	0.800 J/cmÂ²	3.81 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 Â°C	257 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	255 Â°C	491 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	235 Â°C	455 Â°F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	@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	
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Oxygen Index	27 %	27 %	
Glow Wire Test	750 Â°C	1380 Â°F	GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	750 Â°C	1380 Â°F	GWIT
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	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	400 V	400 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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