

## LATI Latamid 66 H2 G/25-V0KB3 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-V0KB3-PA-66-25-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LATI-Latamid-66-H2-G25-V0KB3-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 <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0035 - 0.0065 cm/cm	0.0035 - 0.0065 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	40.0 MPa	5800 psi	
	@Temperature 150 °C	@Temperature 302 °F	
	50.0 MPa	7250 psi	
	@Temperature 120 °C	@Temperature 248 °F	
	65.0 MPa	9430 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
Elongation at Break	100 MPa	14500 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	135 MPa	19600 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	2.2 %	2.2 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	2.6 %	2.6 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	4.2 %	4.2 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
	4.2 %	4.2 %	

Mechanical Properties	@Temperature 120 °C Metric	@Temperature 248 °F English	Comments
	4.7 %	4.7 %	
	@Temperature 150 °C	@Temperature 302 °F	
Elongation at Yield	3.7 %	3.7 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
	3.8 %	3.8 %	
	@Temperature 120 °C	@Temperature 248 °F	
	4.1 %	4.1 %	
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	2.70 GPa	392 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	3.50 GPa	508 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	4.20 GPa	609 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	6.90 GPa	1000 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	8.20 GPa	1190 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	5.00 J/cm <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	6.50 J/cm <sup>2</sup>	30.9 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	

Thermal Properties <small>Deflection Temperature at 1.8 MPa (264 psi)</small>	Metric	English	Comments
Vicat Softening Point	240 °C	464 °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	
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Oxygen Index	26 %	26 %	
Glow Wire Test	960 °C	1760 °F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 °C	1760 °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	260 - 280 °C	500 - 536 °F	
Mold Temperature	70.0 - 100 °C	158 - 212 °F	
Drying Temperature	90.0 - 100 °C	194 - 212 °F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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