

## LATI Latamid 66 H2 G/35-V0KB3 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-V0KB3-PA-66-35-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LATI-Latamid-66-H2-G35-V0KB3-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 <sup>3</sup>	
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	45.0 MPa	6530 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	55.0 MPa	7980 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	70.0 MPa	10200 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	110 MPa	16000 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	2.2 %	2.2 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.4 %	2.4 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.9 %	3.9 %	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	4.0 %	4.0 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	4.3 %	4.3 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	3.10 GPa	450 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	3.90 GPa	566 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	4.90 GPa	711 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	8.10 GPa	1170 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	9.80 GPa	1420 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	10.0 J/cmÂ²	47.6 ft-lb/inÂ²	
Charpy Impact, Notched	1.00 J/cmÂ²	4.76 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)	260 Â°C	500 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	245 Â°C	473 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	27 %	27 %	
Glow Wire Test	725 Å°C	1340 Å°F	GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	775 Å°C	1430 Å°F	GWIT
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	960 Å°C	1760 Å°F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 Å°C	1760 Å°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 Å°C	518 - 554 Å°F	
Mold Temperature	70.0 - 100 Å°C	158 - 212 Å°F	
Drying Temperature	90.0 - 100 Å°C	194 - 212 Å°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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