

## LATI Latamid 66 H2 G/50-V0KB1 PA 66, 50% Glass Fiber Reinforced, Heat Stabilized, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 50% 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-G50-V0KB1-PA-66-50-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LATI-Latamid-66-H2-G50-V0KB1-PA-66-50-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0025 - 0.0055 cm/cm	0.0025 - 0.0055 in/in	
Linear Mold Shrinkage, Transverse	0.0065 - 0.0095 cm/cm	0.0065 - 0.0095 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	80.0 MPa	11600 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	100 MPa	14500 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	125 MPa	18100 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	180 MPa	26100 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	
	3.2 %	3.2 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.5 %	3.5 %	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	3.7 %	3.7 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	3.8 %	3.8 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	4.50 GPa	653 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	6.00 GPa	870 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	7.20 GPa	1040 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	8.50 GPa	1230 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	13.5 GPa	1960 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	6.50 J/cmÂ²	30.9 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	6.50 J/cmÂ²	30.9 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
Charpy Impact, Notched	0.900 J/cmÂ²	4.28 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

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	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)			
Vicat Softening Point	255 Â°C @Load 5.00 kg	491 Â°F @Load 11.0 lb	
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	
Oxygen Index	32 %	32 %	
Glow Wire Test	800 Â°C @Thickness 1.00 mm	1470 Â°F @Thickness 0.0394 in	GWIT
	800 Â°C @Thickness 2.00 mm	1470 Â°F @Thickness 0.0787 in	GWIT
	960 Â°C @Thickness 1.00 mm	1760 Â°F @Thickness 0.0394 in	GWFI/GWT
	960 Â°C @Thickness 2.00 mm	1760 Â°F @Thickness 0.0787 in	GWFI/GWT

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 @Time 10800 sec	194 - 212 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China