

## LATI Latamid 66 H2 G/50-V0HF1 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, halogens-based flame retardants and red phosphorous free. 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-V0HF1-PA-66-50-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LATI-Latamid-66-H2-G50-V0HF1-PA-66-50-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0607 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0025 - 0.0060 cm/cm	0.0025 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.011 cm/cm	0.0075 - 0.011 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	90.0 MPa	13100 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	95.0 MPa	13800 psi	
@Temperature 90.0 Â°C	@Temperature 194 Â°F		
Elongation at Break	125 MPa	18100 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	175 MPa	25400 psi	
@Temperature 23.0 Â°C	@Temperature 73.4 Â°F		
Elongation at Break	2.0 %	2.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.8 %	2.8 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	

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	
	4.2 %	4.2 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	5.30 GPa	769 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	6.00 GPa	870 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	7.10 GPa	1030 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	11.5 GPa	1670 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	16.0 GPa	2320 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	4.50 J/cmÂ²	21.4 ft-lb/inÂ²	
Charpy Impact, Notched	0.800 J/cmÂ²	3.81 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 Â°C	266 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	255 Â°C	491 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	240 Â°C	464 Â°F	
Vicat Softening Point	245 Â°C	473 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	

Thermal Properties	@Thickness 1.50 mm Metric	@Thickness 0.0591 in English	Comments
	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	32 %	32 %	
Glow Wire Test	775 Â°C	1430 Â°F	GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	775 Â°C	1430 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	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	

## Contact Songhan Plastic Technology Co.,Ltd.

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