

## LATI Latamid 66 H2 G/25-VOCT1 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 brominated flame retardants, PBB/PBDE 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-G25-VOCT1-PA-66-25-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LATI-Latamid-66-H2-G25-VOCT1-PA-66-25-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0035 - 0.0060 cm/cm	0.0035 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0070 - 0.010 cm/cm	0.0070 - 0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	60.0 MPa	8700 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	75.0 MPa	10900 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	95.0 MPa	13800 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	135 MPa	19600 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.1 %	2.1 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.4 %	2.4 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	3.9 %	3.9 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	4.2 %	4.2 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Elongation at Yield	3.5 %	3.5 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	3.7 %	3.7 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	0.220 GPa	31.9 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	3.20 GPa	464 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	4.80 GPa	696 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	7.20 GPa	1040 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	9.20 GPa	1330 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	3.50 J/cmÂ²	16.7 ft-lb/inÂ²	
Charpy Impact, Notched	0.700 J/cmÂ²	3.33 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	115 Â°C	239 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	

Thermal Properties	@Load 5.00 kg Metric	@Load 11.0 lb English	Comments
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	
	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	35 %	35 %	
Glow Wire Test	900 Â°C	1650 Â°F	GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	900 Â°C	1650 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	

## Contact Songhan Plastic Technology Co.,Ltd.

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