

LATI Latamid 66 VH2 G/30 PA 66, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Polyamide 66 (PA66) based compound. Improved thermal stabilization. Glass fibers. 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-VH2-G30-PA-66-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0065 cm/cm	0.0035 - 0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.0105 cm/cm	0.0075 - 0.0105 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	70.0 MPa	10200 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	80.0 MPa	11600 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	100 MPa	14500 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	150 MPa	21800 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.5 %	2.5 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	4.5 %	4.5 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	5.0 %	5.0 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	5.5 %	5.5 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Elongation at Yield	4.0 %	4.0 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	5.0 %	5.0 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	5.5 %	5.5 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	5.5 %	5.5 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	3.30 GPa	479 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	3.80 GPa	551 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	5.00 GPa	725 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	6.20 GPa	899 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	10.4 GPa	1510 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	5.00 J/cmÂ²	23.8 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	5.50 J/cmÂ²	26.2 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	0.500 J/cmÂ²	2.38 ft-lb/inÂ²	
	@Temperature -20.0	@Temperature -4.00	

Mechanical Properties	°C Metric	°F English	Comments
	0.700 J/cm ²	3.33 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 °C	266 °F	
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	
Deflection Temperature at 1.8 MPa (264 psi)	245 °C	473 °F	
Vicat Softening Point	250 °C @Load 5.00 kg	482 °F @Load 11.0 lb	
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	
	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	
	HB @Thickness 0.750 mm	HB @Thickness 0.0295 in	
Oxygen Index	27 %	27 %	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 °C	518 - 554 °F	
Mold Temperature	80.0 - 100 °C	176 - 212 °F	
Drying Temperature	90.0 - 100 °C @Time 10800 sec	194 - 212 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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