

LATI Latamid 66 VH G/30 PA 66, 30% Glass Fiber Reinforced, Heat Stabilized

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

Material Notes:

Polyamide 66 (PA66) based compound. Heat stabilized. Hydrolysis stabilized. Glycol stabilized. 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-VH-G30-PA-66-30-Glass-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 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	40.0 MPa	5800 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	65.0 MPa	9430 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	
	145 MPa	21000 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.4 %	2.4 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	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	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	5.4 %	5.4 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	2.00 GPa	290 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	3.50 GPa	508 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	4.40 GPa	638 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	6.20 GPa	899 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	9.40 GPa	1360 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	6.00 J/cmÂ²	28.6 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)	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	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 Â°C	518 - 554 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 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	

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