

LATI Latamid 66 H2 K/30 PA 66, 30% Carbon Fiber Reinforced, Heat Stabilized

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

Material Notes:

Polyamide 66 (PA66) based compound. Heat stabilized. Carbon fiber. 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-K30-PA-66-30-Carbon-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	
Linear Mold Shrinkage, Flow	0.0015 - 0.0035 cm/cm	0.0015 - 0.0035 in/in	
Linear Mold Shrinkage, Transverse	0.0055 - 0.0085 cm/cm	0.0055 - 0.0085 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	120 MPa	17400 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	135 MPa	19600 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	160 MPa	23200 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	220 MPa	31900 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	1.7 %	1.7 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.3 %	2.3 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.0 %	3.0 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	3.4 %	3.4 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	7.70 GPa	1120 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	10.5 GPa	1520 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	15.0 GPa	2180 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	21.5 GPa	3120 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	22.5 GPa	3260 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	5.00 J/cmÂ²	23.8 ft-lb/inÂ²	
Charpy Impact, Notched	0.500 J/cmÂ²	2.38 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)	255 Â°C	491 Â°F	
Vicat Softening Point	255 Â°C	491 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	5000 ohm-cm	5000 ohm-cm	
Surface Resistance	1000 ohm	1000 ohm	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	280 - 300 Â°C Metric	536 - 572 Â°F English	Comments
Mold Temperature	80.0 - 100 Â°C	176 - 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	

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