

LATI Latigloss 66 H2 G/50 F2 PA 66, 50% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 50% Glass Fiber Filled

Material Notes:

Product with high mechanical properties and exceptional surface finish based on Polyamide 66 (PA66). Heat stabilized. Glass fibers.

Potentially suitable for food/medical contact application. 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-Latigloss-66-H2-G50-F2-PA-66-50-Glass-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0065 - 0.0090 cm/cm	0.0065 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	95.0 MPa	13800 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	125 MPa	18100 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	175 MPa	25400 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	230 MPa	33400 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.8 %	2.8 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.2 %	3.2 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	6.7 %	6.7 %	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	7.5 %	7.5 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	8.0 %	8.0 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	4.00 GPa	580 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	5.00 GPa	725 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	7.00 GPa	1020 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	12.0 GPa	1740 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	8.50 J/cmÂ²	40.4 ft-lb/inÂ²	
Charpy Impact, Notched	1.50 J/cmÂ²	7.14 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)	235 Â°C	455 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	280 - 320 Â°C	536 - 608 Â°F	
Mold Temperature	90.0 - 120 Â°C	194 - 248 Â°F	

Processing Properties	90.0 - 100 Å°C Metric	194 - 212 Å°F English	Comments
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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