

LATI Latigloss 66 H2 G/60 PA 66, 60% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 60% Glass Fiber Filled

Material Notes:

Product with high mechanical properties and exceptional surface finish based on Polyamide 66 (PA66). Heat 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-Latigloss-66-H2-G60-PA-66-60-Glass-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0607 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0085 cm/cm	0.0060 - 0.0085 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.0 MPa	10900 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	100 MPa	14500 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	130 MPa	18900 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	180 MPa	26100 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	235 MPa	34100 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.2 %	2.2 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.6 %	2.6 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	5.7 %	5.7 %	

Mechanical Properties	Metric	English	Comments
	7.0 %	7.0 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	7.5 %	7.5 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	5.80 GPa	841 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	6.60 GPa	957 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	11.0 GPa	1600 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	18.0 GPa	2610 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	5.50 J/cmÂ²	26.2 ft-lb/inÂ²	
Charpy Impact, Notched	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 Â°C	275 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	240 Â°C	464 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	
	90.0 - 100 Â°C	194 - 212 Â°F	

Processing Properties	Metric	English	Comments
	@ Time 10800 sec	@ Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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