

LATI Latigloss 62 H2 G/50 PA 6, 50% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 50% Glass Fiber Filled

Material Notes:

Product with high mechanical properties and exceptional surface finish based on Polyamide 6 (PA6). 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-62-H2-G50-PA-6-50-Glass-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in ³	
Linear Mold Shrinkage, Flow	0.0020 - 0.0045 cm/cm	0.0020 - 0.0045 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	65.0 MPa	9430 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	85.0 MPa	12300 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	140 MPa	20300 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	200 MPa	29000 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	
	4.0 %	4.0 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	6.3 %	6.3 %	

Mechanical Properties	@Temperature 90.0 Metric °C	@Temperature 194 °F English	Comments
	7.6 %	7.6 %	
	@Temperature 120 °C	@Temperature 248 °F	
	9.0 %	9.0 %	
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	3.80 GPa	551 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	4.50 GPa	653 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	6.00 GPa	870 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	10.5 GPa	1520 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	14.5 GPa	2100 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	8.00 J/cm ²	38.1 ft-lb/in ²	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 °C	266 °F	
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	
Deflection Temperature at 1.8 MPa (264 psi)	185 °C	365 °F	
Vicat Softening Point	210 °C	410 °F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 290 °C	482 - 554 °F	
Mold Temperature	90.0 - 120 °C	194 - 248 °F	
	90.0 - 100 °C	194 - 212 °F	

Driving Temperature Processing Properties	Metric @ Time 10800 sec	English @ Time 3.00 hour	Comments
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Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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