

LATI Latigloss 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:

Product with high mechanical properties and exceptional surface finish based on Polyamide 66 (PA66). 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-Latigloss-66-H2-K30-PA-66-30-Carbon-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 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	65.0 MPa	9430 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	80.0 MPa	11600 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	110 MPa	16000 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	155 MPa	22500 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	1.7 %	1.7 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.6 %	2.6 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	4.2 %	4.2 %	

Mechanical Properties	@Temperature 90.0 Metric °C	@Temperature 194 °F English	Comments
	4.6 %	4.6 %	
	@Temperature 120 °C	@Temperature 248 °F	
	5.0 %	5.0 %	
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	4.90 GPa	711 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	6.10 GPa	885 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	10.0 GPa	1450 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	16.0 GPa	2320 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	21.0 GPa	3050 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	3.50 J/cm ²	16.7 ft-lb/in ²	
Charpy Impact, Notched	0.500 J/cm ²	2.38 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)	255 °C	491 °F	
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	
Vicat Softening Point	245 °C	473 °F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 320 °C	536 - 608 °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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