

LATI Latamid SP1 G/30 PA 6.10, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 610 , Nylon 610, Glass Reinforced

Material Notes:

Polyamide 6.10 (PA6.10) based compound. Glass fibers. Low moisture absorption. 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-SP1-G30-PA-610-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0065 cm/cm	0.0035 - 0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.0105 cm/cm	0.0075 - 0.0105 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	85.0 MPa	12300 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	100 MPa	14500 psi	
@Temperature 90.0 Â°C	@Temperature 194 Â°F		
Elongation at Break	120 MPa	17400 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	165 MPa	23900 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.2 %	3.2 %	
@Temperature 23.0 Â°C	@Temperature 73.4 Â°F		
Elongation at Break	4.2 %	4.2 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	4.9 %	4.9 %	
@Temperature 90.0 Â°C	@Temperature 194 Â°F		

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	6.1 %	6.1 %	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Tensile Modulus	3.00 GPa	435 ksi	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	3.60 GPa	522 ksi	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	5.30 GPa	769 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	6.20 GPa	899 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	8.80 GPa	1280 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	10.0 J/cmÅ²	47.6 ft-lb/inÅ²	
Charpy Impact, Notched	1.00 J/cmÅ²	4.76 ft-lb/inÅ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 Å°C	248 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	220 Å°C	428 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	200 Å°C	392 Å°F	
Vicat Softening Point	220 Å°C	428 Å°F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 280 Å°C	500 - 536 Å°F	
Mold Temperature	80.0 - 100 Å°C	176 - 212 Å°F	
Drying Temperature	70.0 - 90.0 Å°C	158 - 194 Å°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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