

LATI Latamid SP1 G/50 PA 6.10, 50% 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-G50-PA-610-50-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 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 - 0.0095 cm/cm	0.0065 - 0.0095 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	110 MPa	16000 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	130 MPa	18900 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	155 MPa	22500 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	215 MPa	31200 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.5 %	2.5 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.3 %	3.3 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.8 %	3.8 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	4.8 %	4.8 %	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Tensile Modulus	4.80 GPa	696 ksi	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	5.80 GPa	841 ksi	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	8.40 GPa	1220 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	9.80 GPa	1420 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	14.0 GPa	2030 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	8.00 J/cmÅ²	38.1 ft-lb/inÅ²	
Charpy Impact, Notched	1.50 J/cmÅ²	7.14 ft-lb/inÅ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 Å°C	266 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	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China