

LATI Latamid SP2 H2 G/35 PA 6.12, 35% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 612 , Nylon 612, Glass Fiber Filler

Material Notes:

Polyamide 6.12 (PA6.12) based compound. Heat stabilized. 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-SP2-H2-G35-PA-612-35-Glass-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0060 cm/cm	0.0035 - 0.0060 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	60.0 MPa	8700 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	75.0 MPa	10900 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	90.0 MPa	13100 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	105 MPa	15200 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	145 MPa	21000 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	3.6 %	3.6 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	4.7 %	4.7 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	5.4 %	5.4 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	6.8 %	6.8 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	3.20 GPa	464 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	3.90 GPa	566 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	5.60 GPa	812 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	6.50 GPa	943 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	9.30 GPa	1350 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	9.50 J/cmÂ²	45.2 ft-lb/inÂ²	
Charpy Impact, Notched	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 Â°C	230 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	215 Â°C	419 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	200 Â°C	392 Â°F	
Vicat Softening Point	210 Â°C	410 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 280 Â°C	482 - 536 Â°F	
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 Â°F	
Drying Temperature	80.0 - 100 Â°C	176 - 212 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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