

LATI Latamid 6 H2 G/20-V2HF PA 6, 20% Glass Fiber Reinforced, Heat Stabilized, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 20% Glass Fiber Filled , Nylon 6, Glass Fiber Filled, Flame Retardant

Material Notes:

Polyamide 6 (PA6) based compound. Heat stabilized. Glass fibers. UL94 V-2 classified, halogens-based flame retardants and red phosphorous free. 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-6-H2-G20-V2HF-PA-6-20-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	
Linear Mold Shrinkage, Flow	0.0065 - 0.0090 cm/cm	0.0065 - 0.0090 in/in	
Linear Mold Shrinkage, Transverse	0.0055 - 0.0080 cm/cm	0.0055 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.0 MPa	2180 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	30.0 MPa	4350 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	35.0 MPa	5080 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	60.0 MPa	8700 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	80.0 MPa	11600 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	3.5 %	3.5 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	4.3 %	4.3 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	9.0 %	9.0 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	15 %	15 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Elongation at Yield	3.2 %	3.2 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	3.8 %	3.8 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	4.5 %	4.5 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	1.70 GPa	247 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	2.10 GPa	305 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	2.60 GPa	377 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	4.20 GPa	609 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	5.50 GPa	798 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	3.00 J/cmÂ²	14.3 ft-lb/inÂ²	
Charpy Impact, Notched	0.300 J/cmÂ²	1.43 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	80.0 Â°C	176 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	190 Â°C	374 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (100 psi)	175 Â°C	347 Â°F	
Vicat Softening Point	205 Â°C	401 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-2	V-2	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-2	V-2	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-2	V-2	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	27 %	27 %	
Glow Wire Test	725 Â°C	1340 Â°F	GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	725 Â°C	1340 Â°F	GWIT
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	550 V	550 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 260 Â°C	464 - 500 Â°F	
Mold Temperature	70.0 - 100 Â°C	158 - 212 Â°F	
Drying Temperature	90.0 - 100 Â°C	194 - 212 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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