

LATI Latamid 6 H2 G/30-V2HF PA 6, 30% Glass Fiber Reinforced, Heat Stabilized, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% 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-G30-V2HF-PA-6-30-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0060 cm/cm	0.0035 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0065 - 0.0085 cm/cm	0.0065 - 0.0085 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	35.0 MPa	5080 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	45.0 MPa	6530 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	70.0 MPa	10200 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	90.0 MPa	13100 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	3.0 %	3.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.6 %	3.6 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	7.8 %	7.8 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	12 %	12 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	2.50 GPa	363 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	3.00 GPa	435 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	3.60 GPa	522 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	5.50 GPa	798 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	7.00 GPa	1020 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	4.50 J/cmÂ²	21.4 ft-lb/inÂ²	
Charpy Impact, Notched	0.400 J/cmÂ²	1.90 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)	210 Â°C	410 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	165 Â°C	329 Â°F	
Vicat Softening Point	210 Â°C	410 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	

Thermal Properties	@Thickness 1.50 mm Metric	@Thickness 0.0591 in English	Comments
	V-2	V-2	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	25 %	25 %	
Glow Wire Test	850 Â°C	1560 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	575 V	575 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 250 Â°C	464 - 482 Â°F	
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 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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