

LATI Latamid 6 H2 G/30-V0CT1 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-0 classified, with brominated flame retardants, PBB/PBDE 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-V0CT1-PA-6-30-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in ³	
Linear Mold Shrinkage, Flow	0.0025 - 0.0045 cm/cm	0.0025 - 0.0045 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	50.0 MPa	7250 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	60.0 MPa	8700 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	80.0 MPa	11600 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	125 MPa	18100 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.0 %	2.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	4.5 %	4.5 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	7.0 %	7.0 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	7.5 %	7.5 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	3.60 GPa	522 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	4.20 GPa	609 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	5.10 GPa	740 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	7.40 GPa	1070 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	11.0 GPa	1600 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	3.50 J/cmÂ²	16.7 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	4.00 J/cmÂ²	19.0 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	0.700 J/cmÂ²	3.33 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.800 J/cmÂ²	3.81 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	115 Â°C	239 Â°F	
Deflection Temperature at 0.46 MPa	215 Â°C	419 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	185 Â°C	365 Â°F	
Vicat Softening Point	195 Â°C @Load 5.00 kg	383 Â°F @Load 11.0 lb	
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	
Oxygen Index	28 %	28 %	
Glow Wire Test	800 Â°C @Thickness 1.00 mm	1470 Â°F @Thickness 0.0394 in	GWIT
	800 Â°C @Thickness 2.00 mm	1470 Â°F @Thickness 0.0787 in	GWIT
	960 Â°C @Thickness 1.00 mm	1760 Â°F @Thickness 0.0394 in	GWFI/GWT
	960 Â°C @Thickness 2.00 mm	1760 Â°F @Thickness 0.0787 in	GWFI/GWT

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	400 V	400 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 @Time 10800 sec	194 - 212 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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