

LATI Latamid 6 H2 G/30-V0HF1 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, halogens-based flame retardants and red phosphorous free. Very good electrical properties. 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-V0HF1-PA-6-30-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0055 cm/cm	0.0035 - 0.0055 in/in	
Linear Mold Shrinkage, Transverse	0.0065 - 0.0090 cm/cm	0.0065 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	75.0 MPa	10900 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	80.0 MPa	11600 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	3.2 %	3.2 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	4.6 %	4.6 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	7.6 %	7.6 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	8.6 %	8.6 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	3.40 GPa	493 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	3.80 GPa	551 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	4.60 GPa	667 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	7.50 GPa	1090 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	10.5 GPa	1520 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	7.00 J/cmÂ²	33.3 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)	220 Â°C	428 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	210 Â°C	410 Â°F	
Vicat Softening Point	215 Â°C	419 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	

Thermal Properties	@Thickness 1.50 mm Metric	@Thickness 0.0591 in English	Comments
	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	32 %	32 %	
Glow Wire Test	755 Â°C	1390 Â°F	GWIT
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	775 Â°C	1430 Â°F	GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 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	600 V	600 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	

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