

LATI Latamid 6 H-V0 PA 6, Heat Stabilized, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Unreinforced, Flame Retardant

Material Notes:

Polyamide 6 (PA6) based compound. Heat stabilized. UL94 V-0 classified, halogens-based flame retardants and red phosphorous free. Very good surface appearance. 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-H-V0-PA-6-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	
Linear Mold Shrinkage, Flow	0.0105 - 0.014 cm/cm	0.0105 - 0.014 in/in	
Linear Mold Shrinkage, Transverse	0.0115 - 0.0145 cm/cm	0.0115 - 0.0145 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	70.0 MPa	10200 psi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Break	5.0 %	5.0 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	45 %	45 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	>= 100 %	>= 100 %	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	>= 100 %	>= 100 %	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Elongation at Yield	3.0 %	3.0 %	

Mechanical Properties	0.500 GPa Metric	72.5 ksi English	Comments
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	0.600 GPa	87.0 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	0.800 GPa	116 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	1.40 GPa	203 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.40 GPa	493 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	8.00 J/cmÂ²	38.1 ft-lb/inÂ²	
Charpy Impact, Notched	0.300 J/cmÂ²	1.43 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 Â°C	212 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	185 Â°C	365 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	70.0 Â°C	158 Â°F	
Vicat Softening Point	200 Â°C	392 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	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	36 %	36 %	
Glow Wire Test	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 Â°C	1760 Â°F	

Thermal Properties	Metric @ Thickness 2.00 mm	English @ Thickness 0.0787 in	QWFI/GWT Comments
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Electrical Properties	Metric	English	Comments
Comparative Tracking Index	550 V	550 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	235 - 250 Â°C	455 - 482 Â°F	
Mold Temperature	70.0 - 80.0 Â°C	158 - 176 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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