

LATI Latamid 66 B H-V0 PA 66, Heat Stabilized, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Heat Stabilized , Nylon 66, Unreinforced, Flame Retardant

Material Notes:

Polyamide 66 (PA66) based compound. High fluidity. Heat stabilized. UL94 V-0 classified, halogens-based flame retardants and red phosphorous free. Blended with PA6. 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-66-B-H-V0-PA-66-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	
Linear Mold Shrinkage, Flow	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	
Linear Mold Shrinkage, Transverse	0.0085 - 0.0115 cm/cm	0.0085 - 0.0115 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 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	8.0 %	8.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	50 %	50 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Elongation at Yield	4.0 %	4.0 %	

Mechanical Properties	0.600 GPa Metric	87.0 ksi English	Comments
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	0.800 GPa	116 ksi	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	1.10 GPa	160 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	1.80 GPa	261 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	3.80 GPa	551 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	5.00 J/cmÅ²	23.8 ft-lb/inÅ²	
	@Temperature -20.0 Å°C	@Temperature -4.00 Å°F	
	5.50 J/cmÅ²	26.2 ft-lb/inÅ²	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact, Notched	0.280 J/cmÅ²	1.33 ft-lb/inÅ²	
	@Temperature -20.0 Å°C	@Temperature -4.00 Å°F	
	0.300 J/cmÅ²	1.43 ft-lb/inÅ²	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	95.0 Å°C	203 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	235 Å°C	455 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	90.0 Å°C	194 Å°F	
Vicat Softening Point	240 Å°C	464 Å°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Thermal Properties	V-0 Metric	V-0 English	Comments
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	32 %	32 %	
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	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	525 V	525 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	265 - 275 Â°C	509 - 527 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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