

LATI Latamid 66 H2PX-V2 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. Heat stabilized. Toughened. UL94 V-2 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-66-H2PX-V2-PA-66-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	
Linear Mold Shrinkage, Flow	0.0115 - 0.0145 cm/cm	0.0115 - 0.0145 in/in	
Linear Mold Shrinkage, Transverse	0.012 - 0.015 cm/cm	0.012 - 0.015 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	55.0 MPa	7980 psi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Break	15 %	15 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	80 %	80 %	
	@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	4.0 %	4.0 %	

Mechanical Properties	0.500 GPa Metric	72.5 ksi English	Comments
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	0.700 GPa	102 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	1.25 GPa	181 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	2.50 GPa	363 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	3.50 GPa	508 ksi	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	0.500 J/cmÅ²	2.38 ft-lb/inÅ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	95.0 Å°C	203 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	185 Å°C	365 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	65.0 Å°C	149 Å°F	
Vicat Softening Point	195 Å°C	383 Å°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	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-2	V-2	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	30 %	30 %	
Glow Wire Test	850 Å°C	1560 Å°F	GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	850 Å°C	1560 Å°F	

Thermal Properties	Metric	English	GWFI/GWT Comments
	960 Â°C @Thickness 2.00 mm	1760 Â°F @Thickness 0.0787 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	300 V	300 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 Â°C	518 - 554 Â°F	
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 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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