

## LATI Latamid 66 H2PX-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. Heat stabilized. Toughened. 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-66-H2PX-V0-PA-66-Heat-Stabilized-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LATI-Latamid-66-H2PX-V0-PA-66-Heat-Stabilized-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.011 - 0.014 cm/cm	0.011 - 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	40.0 MPa	5800 psi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	50.0 MPa	7250 psi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Break	10 %	10 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	60 %	60 %	
	@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	2.5 %	2.5 %	

Mechanical Properties	@Temperature 23.0 Metric °C	@Temperature 73.4 °F English	Comments
Tensile Modulus	0.400 GPa	58.0 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	0.550 GPa	79.8 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	0.800 GPa	116 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	1.40 GPa	203 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	2.80 GPa	406 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
Deflection Temperature at 0.46 MPa (66 psi)	170 °C	338 °F	
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	
Vicat Softening Point	180 °C	356 °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	34 %	34 %	
Glow Wire Test	775 °C	1430 °F	GWIT

Thermal Properties	@Thickness 1.00 mm Metric	@Thickness 0.0394 in English	Comments
	775 Å°C	1430 Å°F	GWIT
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	960 Å°C	1760 Å°F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 Å°C	1760 Å°F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	250 V	250 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 Å°C	518 - 554 Å°F	
Mold Temperature	70.0 - 90.0 Å°C	158 - 194 Å°F	
Drying Temperature	90.0 - 100 Å°C	194 - 212 Å°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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