

## LATI Latamid 68 H2-V0 PA6/PA66 copolymer, Heat Stabilized, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6, Unreinforced

### Material Notes:

PA6/PA66 copolymer (PA6/PA66) based compound. Heat stabilized. UL94 V-0 classified, halogens-based flame retardants and red phosphorous free. 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-68-H2-V0-PA6PA66-copolymer-Heat-Stabilized-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LATI-Latamid-68-H2-V0-PA6PA66-copolymer-Heat-Stabilized-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0085 - 0.011 cm/cm	0.0085 - 0.011 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 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	
	70.0 MPa	10200 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	3.0 %	3.0 %	

Mechanical Properties	0.650 GPa Metric	94.3 ksi English	Comments
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	0.850 GPa	123 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	1.10 GPa	160 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	2.00 GPa	290 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	9.00 J/cmÂ²	42.8 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	9.00 J/cmÂ²	42.8 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
Charpy Impact, Notched	0.250 J/cmÂ²	1.19 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.300 J/cmÂ²	1.43 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 Â°C	212 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	195 Â°C	383 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	95.0 Â°C	203 Â°F	
Vicat Softening Point	210 Â°C	410 Â°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	30 %	30 %	
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	600 V	600 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	245 - 260 Â°C	473 - 500 Â°F	
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 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.

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