

## LATI Latamid 6 BH PA 6, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Heat Stabilized

### Material Notes:

Polyamide 6 (PA6). High fluidity. Heat stabilized. Very high fluidity. 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-BH-PA-6-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_LATI-Latamid-6-BH-PA-6-Heat-Stabilized.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0105 - 0.0135 cm/cm	0.0105 - 0.0135 in/in	
Linear Mold Shrinkage, Transverse	0.0115 - 0.014 cm/cm	0.0115 - 0.014 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	
Elongation at Break	30 %	30 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	>= 100 %	>= 100 %	
	@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	3.5 %	3.5 %	
Tensile Modulus	0.300 GPa	43.5 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	0.315 GPa	45.7 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	0.350 GPa	50.8 ksi	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	0.550 GPa	79.8 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	2.80 GPa	406 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	NB	NB	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	NB	NB	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
Charpy Impact, Notched	0.500 J/cmÂ²	2.38 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.600 J/cmÂ²	2.86 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	85.0 Â°C	185 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	140 Â°C	284 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	55.0 Â°C	131 Â°F	
Vicat Softening Point	200 Â°C	392 Â°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	23 %	23 %	

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 250 Â°C	446 - 482 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	

## Contact Songhan Plastic Technology Co.,Ltd.

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