

## LATI Latamid 6 H2E04 G/30 PA 6, 30% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

### Material Notes:

Polyamide 6 (PA6) based compound. Heat stabilized. Toughened. Glass fibers. Good elongation. 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-H2E04-G30-PA-6-30-Glass-Fiber-Reinforced-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_LATI-Latamid-6-H2E04-G30-PA-6-30-Glass-Fiber-Reinforced-Heat-Stabilized.php)

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0025 - 0.0050 cm/cm	0.0025 - 0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0055 - 0.0075 cm/cm	0.0055 - 0.0075 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	75.0 MPa	10900 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	90.0 MPa	13100 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	115 MPa	16700 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	150 MPa	21800 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	3.5 %	3.5 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	4.8 %	4.8 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	6.4 %	6.4 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	8.0 %	8.0 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Elongation at Yield	4.6 %	4.6 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	6.1 %	6.1 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	6.8 %	6.8 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	7.6 %	7.6 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	2.90 GPa	421 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	3.60 GPa	522 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	4.40 GPa	638 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	6.70 GPa	972 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	8.30 GPa	1200 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	8.00 J/cmÂ²	38.1 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 Â°C	212 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	220 Â°C	428 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (184 psi)	205 Â°C	401 Â°F	
Vicat Softening Point	215 Â°C @Load 5.00 kg	419 Â°F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 260 Â°C	464 - 500 Â°F	
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 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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