

## LATI Latamid 66 E21 G/15 PA 66, 15% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

### Material Notes:

Polyamide 66 (PA66) based compound. Toughened. Glass fibers. 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-E21-G15-PA-66-15-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Latamid-66-E21-G15-PA-66-15-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	
Linear Mold Shrinkage, Transverse	0.010 - 0.013 cm/cm	0.010 - 0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	35.0 MPa	5080 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	45.0 MPa	6530 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	65.0 MPa	9430 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	90.0 MPa	13100 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	5.0 %	5.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	7.5 %	7.5 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	8.6 %	8.6 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	9.5 %	9.5 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Elongation at Yield	3.0 %	3.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	4.8 %	4.8 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	6.1 %	6.1 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	6.6 %	6.6 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	6.9 %	6.9 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	1.70 GPa	247 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	1.90 GPa	276 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	2.50 GPa	363 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	3.40 GPa	493 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	4.80 GPa	696 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	7.50 J/cmÂ²	35.7 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	8.00 J/cmÂ²	38.1 ft-lb/inÂ²	
	@Temperature -20.0	@Temperature -4.00	

Mechanical Properties	°C Metric	°F English	Comments
Charpy Impact, Notched	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 °C	194 °F	
Deflection Temperature at 0.46 MPa (66 psi)	255 °C	491 °F	
Deflection Temperature at 1.8 MPa (264 psi)	230 °C	446 °F	
Vicat Softening Point	230 °C	446 °F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 290 °C	500 - 554 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	
Drying Temperature	90.0 - 100 °C	194 - 212 °F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China