

## LATI Latamid 66 E21 PA 66, Impact Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

### Material Notes:

Polyamide 66 (PA66). Toughened. Good impact resistance. 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-PA-66-Impact-Modified.php](http://www.lookpolymers.com/polymer_LATI-Latamid-66-E21-PA-66-Impact-Modified.php)

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.013 - 0.0165 cm/cm	0.013 - 0.0165 in/in	
Linear Mold Shrinkage, Transverse	0.013 - 0.016 cm/cm	0.013 - 0.016 in/in	

Mechanical Properties	Metric	English	Comments
Elongation at Break	>= 100 %	>= 100 %	
	@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	5.0 %	5.0 %	
Tensile Modulus	0.180 GPa	26.1 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	0.200 GPa	29.0 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	0.330 GPa	47.9 ksi	
	@Temperature 90.0	@Temperature 194 Â°F	

Mechanical Properties	°C Metric	English	Comments
	0.500 GPa	72.5 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	1.50 GPa	218 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	NB	NB	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	10.0 J/cm <sup>2</sup>	47.6 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)	145 °C	293 °F	
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	
Vicat Softening Point	200 °C	392 °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	

Descriptive Properties	Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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