

## LATI Latamid 66 PA 66

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

### Material Notes:

Polyamide 66 (PA66). Unfilled. 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-PA-66.php](http://www.lookpolymers.com/polymer_LATI-Latamid-66-PA-66.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.012 - 0.015 cm/cm	0.012 - 0.015 in/in	
Linear Mold Shrinkage, Transverse	0.0125 - 0.0155 cm/cm	0.0125 - 0.0155 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	
Elongation at Break	30 %	30 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	>= 100 %	>= 100 %	
Elongation at Break	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
Elongation at Break	>= 100 %	>= 100 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	>= 100 %	>= 100 %	
Elongation at Break	@Temperature 150 Â°C	@Temperature 302 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Elongation at Yield	4.0 %	4.0 %	
Tensile Modulus	0.350 GPa	50.8 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	0.500 GPa	72.5 ksi	
Tensile Modulus	@Temperature 120 Â°C	@Temperature 248 Â°F	
	0.650 GPa	94.3 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	1.90 GPa	276 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.10 GPa	450 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	0.300 J/cmÂ²	1.43 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.400 J/cmÂ²	1.90 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 Â°C	194 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	220 Â°C	428 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Â°C	167 Â°F	
Vicat Softening Point	240 Â°C	464 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-2	V-2	
	@Thickness 0.750 mm	@Thickness 0.0295 in	

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 290 Â°C	500 - 554 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	

Processing Properties	@Time 10800 sec Metric	@Time 3.00 hour English	Comments
Descriptive Properties		Value	Comments
ISO Shrinkage - Pressure		60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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