

## LATI Latamid SP1 PA 6.10

Category : Polymer , Thermoplastic , Nylon , Nylon 610

### Material Notes:

Polyamide 6.10 (PA6.10). Unfilled. Low moisture absorption. 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-SP1-PA-610.php](http://www.lookpolymers.com/polymer_LATI-Latamid-SP1-PA-610.php)

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.010 - 0.014 cm/cm	0.010 - 0.014 in/in	
Linear Mold Shrinkage, Transverse	0.010 - 0.014 cm/cm	0.010 - 0.014 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	
Elongation at Break	>= 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	
	100 %	100 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Tensile Modulus	0.200 GPa	29.0 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	0.300 GPa	43.5 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	0.450 GPa	65.3 ksi	
	@Temperature 90.0	@Temperature 194 Â°F	

Mechanical Properties	°C Metric	English	Comments
	0.700 GPa	102 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	2.40 GPa	348 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	0.600 J/cm <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	70.0 °C	158 °F	
Deflection Temperature at 0.46 MPa (66 psi)	175 °C	347 °F	
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	
Vicat Softening Point	180 °C	356 °F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 260 °C	446 - 500 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	70.0 - 90.0 °C	158 - 194 °F	
	@Time 7200 sec	@Time 2.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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