

## LATI Latigloss 57 G/50 F2 PPA, 50% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 50% Glass Fiber Reinforced

### Material Notes:

Product with high mechanical properties and exceptional surface finish based on Semi-aromatic polyamide (PPA). Glass fibers. Potentially suitable for food/medical contact application. 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-Latigloss-57-G50-F2-PPA-50-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Latigloss-57-G50-F2-PPA-50-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.63 g/cc	0.0589 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0015 - 0.0030 cm/cm	0.0015 - 0.0030 in/in	
Linear Mold Shrinkage, Transverse	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	130 MPa	18900 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	190 MPa	27600 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	225 MPa	32600 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	240 MPa	34800 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	1.8 %	1.8 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.0 %	2.0 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	2.1 %	2.1 %	

Mechanical Properties	@Temperature 90.0 Metric °C	@Temperature 194 °F English	Comments
	3.5 %	3.5 %	
	@Temperature 120 °C	@Temperature 248 °F	
	6.0 %	6.0 %	
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	5.50 GPa	798 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	11.0 GPa	1600 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	14.0 GPa	2030 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	15.5 GPa	2250 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	18.0 GPa	2610 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	7.00 J/cm <sup>2</sup>	33.3 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.900 J/cm <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	
Deflection Temperature at 0.46 MPa (66 psi)	285 °C	545 °F	
Deflection Temperature at 1.8 MPa (264 psi)	260 °C	500 °F	
Vicat Softening Point	260 °C	500 °F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	310 - 340 °C	590 - 644 °F	
Mold Temperature	150 - 170 °C	302 - 338 °F	
	120 - 130 °C	248 - 266 °F	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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