

LATI Latigloss 57 G/40 F2 PPA, 40% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 40% 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-G40-F2-PPA-40-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in ³	
Linear Mold Shrinkage, Flow	0.0025 - 0.0045 cm/cm	0.0025 - 0.0045 in/in	
Linear Mold Shrinkage, Transverse	0.0045 - 0.0070 cm/cm	0.0045 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	125 MPa	18100 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	175 MPa	25400 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	195 MPa	28300 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	210 MPa	30500 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	1.9 %	1.9 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.1 %	2.1 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	2.3 %	2.3 %	

Mechanical Properties	@Temperature 90.0 Metric °C	@Temperature 194 °F English	Comments
	4.0 %	4.0 %	
	@Temperature 120 °C	@Temperature 248 °F	
	8.0 %	8.0 %	
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	4.00 GPa	580 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	9.00 GPa	1310 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	11.5 GPa	1670 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	13.0 GPa	1890 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	14.5 GPa	2100 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	6.00 J/cm ²	28.6 ft-lb/in ²	
Charpy Impact, Notched	0.850 J/cm ²	4.04 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	145 °C	293 °F	
Deflection Temperature at 0.46 MPa (66 psi)	290 °C	554 °F	
Deflection Temperature at 1.8 MPa (264 psi)	265 °C	509 °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	

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

@ 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

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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