

LATI Laramid G/30 PPA, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 30% Glass Fiber Reinforced

Material Notes:

Semi-aromatic polyamide (PPA) based compound. Glass fibers. Very good thermal properties. Good chemical resistance. 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-Laramid-G30-PPA-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.0105 cm/cm	0.0075 - 0.0105 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	100 MPa	14500 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	120 MPa	17400 psi	
Elongation at Break	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	150 MPa	21800 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	200 MPa	29000 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	3.0 %	3.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.5 %	3.5 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	4.4 %	4.4 %	

Mechanical Properties	Metric	English	Comments
	7.3 %	7.3 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	9.0 %	9.0 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	5.00 GPa	725 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	5.50 GPa	798 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	6.00 GPa	870 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	8.50 GPa	1230 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	12.0 GPa	1740 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	3.50 J/cmÂ²	16.7 ft-lb/inÂ²	
Charpy Impact, Notched	0.700 J/cmÂ²	3.33 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	140 Â°C	284 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	280 Â°C	536 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	275 Â°C	527 Â°F	
Vicat Softening Point	270 Â°C	518 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	310 - 330 Â°C	590 - 626 Â°F	
Mold Temperature	150 - 170 Â°C	302 - 338 Â°F	
	120 - 130 Â°C	248 - 266 Â°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