

LATI Lasulf G/20 PSU, 20% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polysulfone (PSU) , Polysulfone, 20% Glass Fiber Reinforced

Material Notes:

Polysulfone (PSU) based compound. Glass fibers. Low smoke density and low toxicity index. Very high dimensional stabilityAvailability: Africa & Middle East; Asia Pacific; Europe; Latin America; North AmericaInformation provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Lasulf-G20-PSU-20-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	
Linear Mold Shrinkage, Flow	0.0015 - 0.0035 cm/cm	0.0015 - 0.0035 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	70.0 MPa	10200 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	85.0 MPa	12300 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	90.0 MPa	13100 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	100 MPa	14500 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	1.8 %	1.8 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	1.9 %	1.9 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	1.9 %	1.9 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	2.1 %	2.1 %	

Mechanical Properties	Metric	English	Comments
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	2.3 %	2.3 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Tensile Modulus	5.20 GPa	754 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	5.50 GPa	798 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	5.60 GPa	812 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	5.80 GPa	841 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	6.00 GPa	870 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	3.00 J/cmÂ²	14.3 ft-lb/inÂ²	
Charpy Impact, Notched	0.800 J/cmÂ²	3.81 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	160 Â°C	320 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	185 Â°C	365 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	180 Â°C	356 Â°F	
Vicat Softening Point	185 Â°C	365 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-1	V-1	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
Oxygen Index	38 %	38 %	
	960 Â°C	1760 Â°F	

Glow Wire Test Thermal Properties		Metric @ Thickness 1.00 mm	English @ Thickness 0.0394 in	GWFI/GWT Comments
		960 Å°C	1760 Å°F	GWFI/GWT
		@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	125 V	125 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	300 - 330 Å°C	572 - 626 Å°F	
Mold Temperature	120 - 140 Å°C	248 - 284 Å°F	
Drying Temperature	110 - 130 Å°C @Time 10800 sec	230 - 266 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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