

LATI Lasulf G/30 PSU, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polysulfone (PSU) , Polysulfone, 30% 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-G30-PSU-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	
Linear Mold Shrinkage, Transverse	0.0045 - 0.0060 cm/cm	0.0045 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	80.0 MPa	11600 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	95.0 MPa	13800 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	110 MPa	16000 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	120 MPa	17400 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	1.6 %	1.6 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	1.7 %	1.7 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	1.8 %	1.8 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	1.8 %	1.8 %	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	1.9 %	1.9 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Tensile Modulus	7.00 GPa	1020 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	7.30 GPa	1060 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	7.50 GPa	1090 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	7.70 GPa	1120 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	8.00 GPa	1160 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	1.00 J/cmÂ²	4.76 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)	190 Â°C	374 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	185 Â°C	365 Â°F	
Vicat Softening Point	185 Â°C	365 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 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 Â°C	1760 Â°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 Â°C	572 - 626 Â°F	
Mold Temperature	120 - 140 Â°C	248 - 284 Â°F	
Drying Temperature	110 - 130 Â°C	230 - 266 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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