

LATI Lastil G/30 SAN, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , SAN Polymer , Styrene Acrylonitrile (SAN), Molded, Glass Reinforced

Material Notes:

Styrene-Acrylonitrile copolymer (SAN) based compound. Glass fibers. High dimensional stability. High stiffness. 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-Lastil-G30-SAN-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	
Linear Mold Shrinkage, Flow	0.0015 - 0.0030 cm/cm	0.0015 - 0.0030 in/in	
Linear Mold Shrinkage, Transverse	0.0025 - 0.0045 cm/cm	0.0025 - 0.0045 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.0 MPa	3630 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	60.0 MPa	8700 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	80.0 MPa	11600 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	2.0 %	2.0 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	2.0 %	2.0 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	2.5 %	2.5 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Elongation at Yield	1.2 %	1.2 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Tensile Modulus	6.00 GPa	870 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	8.00 GPa	1160 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	

Mechanical Properties	9.60 GPa Metric	1390 ksi English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	1.00 J/cm ²	4.76 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	1.20 J/cm ²	5.71 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.250 J/cm ²	1.19 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.300 J/cm ²	1.43 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	95.0 °C	203 °F	
Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	
Vicat Softening Point	110 °C	230 °F	
	@Load 5.00 kg	@Load 11.0 lb	
Oxygen Index	22 %	22 %	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 260 °C	428 - 500 °F	
Mold Temperature	50.0 - 70.0 °C	122 - 158 °F	
Drying Temperature	70.0 - 80.0 °C	158 - 176 °F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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