

LATI Lastil G/25-V0 SAN, 25% Glass Fiber Reinforced, Flame Retardant

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

Material Notes:

Styrene-Acrylonitrile copolymer (SAN) based compound. Glass fibers. UL94 V-0 classified, with brominated flame retardants. Very high dimensional stability. 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-G25-V0-SAN-25-Glass-Fiber-Reinforced-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	
Linear Mold Shrinkage, Flow	0.0015 - 0.0030 cm/cm	0.0015 - 0.0030 in/in	
Linear Mold Shrinkage, Transverse	0.0020 - 0.0035 cm/cm	0.0020 - 0.0035 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	85.0 MPa	12300 psi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	100 MPa	14500 psi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Break	1.2 %	1.2 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	1.5 %	1.5 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	2.0 %	2.0 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
Tensile Modulus	6.80 GPa	986 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	8.50 GPa		

Mechanical Properties	Metric	English	Comments
	@Temperature 60.0 Â°C	1230 ksi @Temperature 140 Â°F	
	9.20 GPa	1330 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	
Charpy Impact, Notched	0.500 J/cmÂ²	2.38 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 Â°C	194 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	105 Â°C	221 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	100 Â°C	212 Â°F	
Vicat Softening Point	115 Â°C	239 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Oxygen Index	28 %	28 %	
Glow Wire Test	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	250 V	250 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 220 Â°C	374 - 428 Â°F	
Mold Temperature	40.0 - 70.0 Â°C	104 - 158 Â°F	
Drying Temperature	70.0 - 80.0 Â°C	158 - 176 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
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