

LATI Lastilac SP G/17 ABS, Glass Fiber Reinforced

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 20% Glass Fiber Filled

Material Notes:

Acrylonitrile-Butadiene-Styrene copolymer (ABS) based compound. Glass fibers. 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-Lastilac-SP-G17-ABS-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0045 - 0.0065 cm/cm	0.0045 - 0.0065 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	60.0 MPa	8700 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	75.0 MPa	10900 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	2.9 %	2.9 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	3.3 %	3.3 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	5.5 %	5.5 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Tensile Modulus	4.10 GPa	595 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	5.30 GPa	769 ksi	

Mechanical Properties	Metric @Temperature 60.0 Â°C	English @Temperature 140 Â°F	Comments
	5.80 GPa	841 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	1.50 J/cmÂ²	7.14 ft-lb/inÂ²	
Charpy Impact, Notched	0.200 J/cmÂ²	0.952 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 Â°C	167 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	100 Â°C	212 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	95.0 Â°C	203 Â°F	
Vicat Softening Point	100 Â°C @Load 5.00 kg	212 Â°F @Load 11.0 lb	
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	500 V	500 V	A solution

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

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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