

LATI Lastilac AR G/17-V0E ABS, 17% 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. UL94 V-0 classified, with brominated flame retardants, PBB/PBDE free. 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-Lastilac-AR-G17-V0E-ABS-17-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	8.00 MPa	1160 psi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	15.0 MPa	2180 psi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	35.0 MPa	5080 psi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Break	1.5 %	1.5 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	1.5 %	1.5 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	15 %	15 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
Elongation at Yield	1.0 %	1.0 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	2.90 GPa		

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	421 ksi @Temperature 194 Â°F	
	3.90 GPa	566 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	4.70 GPa	682 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	0.800 J/cmÂ²	3.81 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
Charpy Impact, Notched	0.200 J/cmÂ²	0.952 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.500 J/cmÂ²	2.38 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	70.0 Â°C	158 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	85.0 Â°C	185 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-1	V-1	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	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	36 %	36 %	

Thermal Properties	Metric	English	Comments
Glow Wire Test			GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	800 Â°C	1470 Â°F	GWIT
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	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	325 V	325 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 220 Â°C	374 - 428 Â°F	
Mold Temperature	40.0 - 60.0 Â°C	104 - 140 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
ISO Shrinkage - Pressure	60 MPa	

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