

LATI Lapex A G/30 PES, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyethersulfone (PES) , Polyethersulfone (PES), 30%Glass Fiber Filled

Material Notes:

Polyether Sulfone (PES) based compound. Glass fibers. Low smoke density and low toxicity index. 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-Lapex-A-G30-PES-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0045 cm/cm	0.0030 - 0.0045 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0075 cm/cm	0.0060 - 0.0075 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	10.0 MPa	1450 psi	
	@Temperature 120 °C	@Temperature 248 °F	
	90.0 MPa	13100 psi	
	@Temperature 150 °C	@Temperature 302 °F	
	115 MPa	16700 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	125 MPa	18100 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	130 MPa	18900 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	2.0 %	2.0 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	2.1 %	2.1 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	2.3 %	2.3 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
	2.4 %	2.4 %	
	@Temperature 120 °C	@Temperature 248 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	8.60 GPa	1250 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	9.00 GPa	1310 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	9.20 GPa	1330 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	9.40 GPa	1360 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	9.60 GPa	1390 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	2.50 J/cm ²	11.9 ft-lb/in ²	
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	185 °C	365 °F	
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	
Vicat Softening Point	220 °C	428 °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	40 %	40 %	

Processing Properties	Metric	English	Comments
Melt Temperature	350 - 370 °C	662 - 698 °F	
Mold Temperature	140 - 165 °C	284 - 329 °F	

Processing Properties	Metric	English	Comments
Drying Temperature	150-180 °C	300-356 °F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China