

LATI Later 4 G/50 PBT, 50% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 50% Glass Fiber Filled

Material Notes:

Polybutylene Terephthalate (PBT) based compound. Glass fibers. 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-Later-4-G50-PBT-50-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.74 g/cc	0.0629 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	
Linear Mold Shrinkage, Transverse	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	55.0 MPa	7980 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	70.0 MPa	10200 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	90.0 MPa	13100 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	135 MPa	19600 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	1.8 %	1.8 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.5 %	2.5 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	2.5 %	2.5 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	3.0 %	3.0 %	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Tensile Modulus	4.50 GPa	653 ksi	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	5.50 GPa	798 ksi	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	7.70 GPa	1120 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	10.0 GPa	1450 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	15.5 GPa	2250 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	4.00 J/cmÅ²	19.0 ft-lb/inÅ²	
	@Temperature -20.0 Å°C	@Temperature -4.00 Å°F	
	4.50 J/cmÅ²	21.4 ft-lb/inÅ²	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact, Notched	0.800 J/cmÅ²	3.81 ft-lb/inÅ²	
	@Temperature -20.0 Å°C	@Temperature -4.00 Å°F	
	0.900 J/cmÅ²	4.28 ft-lb/inÅ²	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	140 Å°C	284 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	225 Å°C	437 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	215 Å°C	419 Å°F	

Thermal Properties Vicat Softening Point	215 Å°C Metric	419 Å°F English	Comments
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 260 Å°C	464 - 500 Å°F	
Mold Temperature	70.0 - 90.0 Å°C	158 - 194 Å°F	
Drying Temperature	110 - 130 Å°C @Time 10800 sec	230 - 266 Å°F @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