

## LATI Later 4 G/30 PBT, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% 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-G30-PBT-30-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Later-4-G30-PBT-30-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0030 - 0.0055 cm/cm	0.0030 - 0.0055 in/in	
Linear Mold Shrinkage, Transverse	0.010 - 0.013 cm/cm	0.010 - 0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	50.0 MPa	7250 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	70.0 MPa	10200 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	85.0 MPa	12300 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	125 MPa	18100 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.5 %	2.5 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.2 %	3.2 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	5.0 %	5.0 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	5.5 %	5.5 %	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
Tensile Modulus	3.20 GPa	464 ksi	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	4.10 GPa	595 ksi	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	5.10 GPa	740 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	6.90 GPa	1000 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	9.50 GPa	1380 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	5.50 J/cmÅ²	26.2 ft-lb/inÅ²	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	5.50 J/cmÅ²	26.2 ft-lb/inÅ²	
	@Temperature -20.0 Å°C	@Temperature -4.00 Å°F	
Charpy Impact, Notched	0.800 J/cmÅ²	3.81 ft-lb/inÅ²	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	0.800 J/cmÅ²	3.81 ft-lb/inÅ²	
	@Temperature -20.0 Å°C	@Temperature -4.00 Å°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 Å°C	275 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	220 Å°C	428 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	210 Å°C	410 Å°F	

Thermal Properties Vicat Softening Point	215 Â°C Metric	419 Â°F English	Comments
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	23 %	23 %	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 250 Â°C	464 - 482 Â°F	
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 Â°F	
Drying Temperature	110 - 130 Â°C	230 - 266 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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