

## LATI Later 4 K/30 PBT, 30% Carbon Fiber Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Carbon Fiber Filled

**Material Notes:**

Polybutylene Terephthalate (PBT) based compound. Carbon fiber. 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-K30-PBT-30-Carbon-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Later-4-K30-PBT-30-Carbon-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0010 - 0.0025 cm/cm	0.0010 - 0.0025 in/in	
Linear Mold Shrinkage, Transverse	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	60.0 MPa	8700 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	80.0 MPa	11600 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	110 MPa	16000 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	150 MPa	21800 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	1.0 %	1.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	1.3 %	1.3 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	1.5 %	1.5 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	2.0 %	2.0 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	4.70 GPa	682 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	6.20 GPa	899 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	9.30 GPa	1350 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	15.5 GPa	2250 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	21.5 GPa	3120 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	4.00 J/cmÂ²	19.0 ft-lb/inÂ²	
Charpy Impact, Notched	0.600 J/cmÂ²	2.86 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	140 Â°C	284 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	215 Â°C	419 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	215 Â°C	419 Â°F	
Vicat Softening Point	225 Â°C	437 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	40 ohm	40 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 260 Â°C	464 - 500 Â°F	

Mold Temperature Processing Properties	70.0 - 90.0 Å°C Metric	158 - 194 Å°F English	Comments
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.

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