

## LATI Laticonther 75 CPG/650 PBT, Glass Fiber Reinforced

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

### Material Notes:

High thermal conductivity product based on Polybutylene Terephthalate (PBT). Special filler. 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-Laticonther-75-CPG650-PBT-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Laticonther-75-CPG650-PBT-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	2.33 g/cc	0.0842 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0045 - 0.0060 cm/cm	0.0045 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0065 cm/cm	0.0050 - 0.0065 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
Elongation at Break	0.90 %	0.90 %	
Tensile Modulus	7.00 GPa	1020 ksi	
Charpy Impact Unnotched	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.400 J/cm <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.60 W/m-K	11.1 BTU-in/hr-ft <sup>2</sup> - °F	Longitudinal
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	
Vicat Softening Point	210 °C @Load 5.00 kg	410 °F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 260 °C	446 - 500 °F	

Processing Properties	Metric	English	Comments
Mold Temperature	100 - 120 Â°C	212 - 248 Â°F	
Drying Temperature	120 - 130 Â°C @Time 10800 sec	248 - 266 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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