

## LATI Laticonther 92 GR/65 PUR, 65% Graphite Reinforced

Category : Polymer , Thermoplastic , Polyurethane, TP

### Material Notes:

High thermal conductivity product based on Polyurethane (PUR). Graphite. 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-92-GR65-PUR-65-Graphite-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Laticonther-92-GR65-PUR-65-Graphite-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.72 g/cc	0.0621 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0030 - 0.0045 cm/cm	0.0030 - 0.0045 in/in	
Linear Mold Shrinkage, Transverse	0.0030 - 0.0045 cm/cm	0.0030 - 0.0045 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	
Elongation at Break	8.0 %	8.0 %	
Tensile Modulus	1.10 GPa	160 ksi	
Charpy Impact Unnotched	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.750 J/cm <sup>2</sup>	3.57 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	10.0 W/m-K	69.4 BTU-in/hr-ft <sup>2</sup> - °F	Longitudinal
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	
Vicat Softening Point	85.0 °C @Load 5.00 kg	185 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 230 °C	374 - 446 °F	
Mold Temperature	20.0 - 40.0 °C	68.0 - 104 °F	
Drying Temperature	70.0 - 90.0 °C	158 - 194 °F	

Processing Properties	@Time 10800 sec Metric	@Time 3.00 hour English	Comments
Descriptive Properties		Value	Comments
ISO Shrinkage - Pressure		60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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