

## LATI Laticonther 62 GR/50 PA 6, 50% Graphite Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

High thermal conductivity product based on Polyamide 6 (PA6). 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-62-GR50-PA-6-50-Graphite-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Laticonther-62-GR50-PA-6-50-Graphite-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0035 - 0.0065 cm/cm	0.0035 - 0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	
Elongation at Break	1.2 %	1.2 %	
Tensile Modulus	11.4 GPa	1650 ksi	
Charpy Impact Unnotched	0.800 J/cm <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.350 J/cm <sup>2</sup>	1.67 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)	205 °C	401 °F	
Deflection Temperature at 1.8 MPa (264 psi)	195 °C	383 °F	
Vicat Softening Point	195 °C @Load 5.00 kg	383 °F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	5000 ohm	5000 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 290 °C	482 - 554 °F	

Processing Properties	Metric	English	Comments
Mold Temperature	90.0 - 100 Â°C	194 - 212 Â°F	
Drying Temperature	90.0 - 100 Â°C @Time 10800 sec	194 - 212 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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