

## LATI Laticonther 62 GR/70 PA 6, 70% 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-GR70-PA-6-70-Graphite-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Laticonther-62-GR70-PA-6-70-Graphite-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.76 g/cc	0.0636 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0025 - 0.0040 cm/cm	0.0025 - 0.0040 in/in	
Linear Mold Shrinkage, Transverse	0.0025 - 0.0045 cm/cm	0.0025 - 0.0045 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	
Elongation at Break	0.30 %	0.30 %	
Tensile Modulus	22.0 GPa	3190 ksi	
Charpy Impact Unnotched	0.350 J/cm <sup>2</sup>	1.67 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.200 J/cm <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	15.0 W/m-K	104 BTU-in/hr-ft <sup>2</sup> -°F	Longitudinal
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	
Vicat Softening Point	200 °C @Load 5.00 kg	392 °F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 ohm-cm	100 ohm-cm	
Surface Resistance	10 ohm	10 ohm	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	250 - 290 Â°C Metric	482 - 554 Â°F English	Comments
Mold Temperature	80.0 - 100 Â°C	176 - 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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China