

## LATI Laticonther 80 CPG/700 PPS, Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

### Material Notes:

High thermal conductivity product based on Polyphenylene Sulfide (PPS). 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-80-CPG700-PPS-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Laticonther-80-CPG700-PPS-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	2.55 g/cc	0.0921 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0020 - 0.0035 cm/cm	0.0020 - 0.0035 in/in	
Linear Mold Shrinkage, Transverse	0.0025 - 0.0040 cm/cm	0.0025 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	
Elongation at Break	0.50 %	0.50 %	
Tensile Modulus	14.0 GPa	2030 ksi	
Charpy Impact Unnotched	1.00 J/cm <sup>2</sup>	4.76 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	1.40 W/m-K	9.72 BTU-in/hr-ft <sup>2</sup> - °F	Longitudinal
Maximum Service Temperature, Air	220 °C	428 °F	
Deflection Temperature at 0.46 MPa (66 psi)	280 °C	536 °F	
Deflection Temperature at 1.8 MPa (264 psi)	245 °C	473 °F	
Vicat Softening Point	250 °C @Load 5.00 kg	482 °F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	225 V	225 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	290 - 320 Â°C	554 - 608 Â°F	
Mold Temperature	130 - 140 Â°C	266 - 284 Â°F	
Drying Temperature	130 - 150 Â°C @Time 10800 sec	266 - 302 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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