

## LATI Latilub 80-40GRT PPS, Graphite/PTFE Filled

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with PTFE Filler

### Material Notes:

Self-lubricating product based on Polyphenylene Sulfide (PPS). Graphite / PTFE. 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-Latilub-80-40GRT-PPS-GraphitePTFE-Filled.php](http://www.lookpolymers.com/polymer_LATI-Latilub-80-40GRT-PPS-GraphitePTFE-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0045 - 0.0075 cm/cm	0.0045 - 0.0075 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	
Elongation at Break	1.0 %	1.0 %	
Tensile Modulus	6.80 GPa	986 ksi	
Charpy Impact Unnotched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.150 J/cm <sup>2</sup>	0.714 ft-lb/in <sup>2</sup>	
Coefficient of Friction, Dynamic	0.090	0.090	
Coefficient of Friction, Static	0.16	0.16	
K (wear) Factor	4.70 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	2.33 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	250 Â°C	482 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	150 Â°C	302 Â°F	
Vicat Softening Point	245 Â°C @Load 5.00 kg	473 Â°F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	290 - 310 Â°C	554 - 590 Â°F	

Mold Temperature Processing Properties	130 - 150 Å°C Metric	266 - 302 Å°F English	Comments
Drying Temperature	130 - 150 Å°C @Time 10800 sec	266 - 302 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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