

LATI Latilub 80-10T G/40 PPS, 40% Glass Fiber Reinforced, PTFE Filled

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), PTFE/Glass-Fiber Filled

Material Notes:

Self-lubricating product based on Polyphenylene Sulfide (PPS). PTFE. 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-Latilub-80-10T-G40-PPS-40-Glass-Fiber-Reinforced-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.72 g/cc	0.0621 lb/in ³	
Linear Mold Shrinkage, Flow	0.0010 - 0.0025 cm/cm	0.0010 - 0.0025 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	160 MPa	23200 psi	
Elongation at Break	1.5 %	1.5 %	
Tensile Modulus	14.5 GPa	2100 ksi	
Charpy Impact Unnotched	4.50 J/cm ²	21.4 ft-lb/in ²	
Charpy Impact, Notched	0.850 J/cm ²	4.04 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.23	0.23	
Coefficient of Friction, Static	0.26	0.26	
K (wear) Factor	10.0 x 10 ⁻⁸ mm ³ /N-M	4.96 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	280 °C	536 °F	
Deflection Temperature at 1.8 MPa (264 psi)	265 °C	509 °F	
Vicat Softening Point	260 °C @Load 5.00 kg	500 °F @Load 11.0 lb	

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

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