

LATI Latilub 80-17ST G/30 PPS, 30% Glass Fiber Reinforced, Silicone/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). Silicone / 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-80-17ST-G30-PPS-30-Glass-Fiber-Reinforced-SiliconePTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in ³	
Linear Mold Shrinkage, Flow	0.0025 - 0.0040 cm/cm	0.0025 - 0.0040 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0075 cm/cm	0.0060 - 0.0075 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	135 MPa	19600 psi	
Elongation at Break	1.7 %	1.7 %	
Tensile Modulus	11.0 GPa	1600 ksi	
Charpy Impact Unnotched	2.50 J/cm ²	11.9 ft-lb/in ²	
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.16	0.16	
Coefficient of Friction, Static	0.19	0.19	
K (wear) Factor	8.50 x 10 ⁻⁸ mm ³ /N-M	4.22 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	275 °C	527 °F	
Deflection Temperature at 1.8 MPa (264 psi)	265 °C	509 °F	
Vicat Softening Point	255 °C @Load 5.00 kg	491 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	290 - 310 °C Metric	554 - 590 °F English	Comments
Mold Temperature	130 - 150 °C	266 - 302 °F	
Drying Temperature	130 - 150 °C @Time 10800 sec	266 - 302 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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