

LATI Latilub 80-15T K/30 PPS, 30% Carbon Fiber Reinforced, PTFE Filled

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

Material Notes:

Self-lubricating product based on Polyphenylene Sulfide (PPS). PTFE. Carbon fiber. 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-80-15T-K30-PPS-30-Carbon-Fiber-Reinforced-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	
Linear Mold Shrinkage, Flow	0.0015 - 0.0035 cm/cm	0.0015 - 0.0035 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	170 MPa	24700 psi	
Elongation at Break	0.50 %	0.50 %	
Tensile Modulus	24.0 GPa	3480 ksi	
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.14	0.14	
Coefficient of Friction, Static	0.18	0.18	
K (wear) Factor	8.80 x 10 ⁻⁸ mm ³ /N-M	4.37 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)	270 °C	518 °F	
Vicat Softening Point	255 °C @Load 5.00 kg	491 °F @Load 11.0 lb	

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

Mold Temperature Processing Properties	130 - 150 °C Metric	266 - 302 °F English	Comments
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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