

LATI Latilub 88/10-15T G/30 PEEK, 30% Glass Fiber Reinforced, PTFE Filled

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Glass Fiber Filled

Material Notes:

Self-lubricating product based on Polyetheretherketone (PEEK). 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-8810-15T-G30-PEEK-30-Glass-Fiber-Reinforced-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0055 cm/cm	0.0030 - 0.0055 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	12.4 GPa	1800 ksi	
Charpy Impact Unnotched	3.80 J/cm ²	18.1 ft-lb/in ²	
Charpy Impact, Notched	0.900 J/cm ²	4.28 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.28	0.28	
Coefficient of Friction, Static	0.35	0.35	
K (wear) Factor	6.80 x 10 ⁻⁸ mm ³ /N-M	3.38 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	295 °C	563 °F	
Deflection Temperature at 1.8 MPa (264 psi)	255 °C	491 °F	
Vicat Softening Point	350 °C @Load 5.00 kg	662 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	370 - 400 °C	698 - 752 °F	

Mold Temperature Processing Properties	170 - 200 °C Metric	338 - 392 °F English	Comments
Drying Temperature	120 - 150 °C @Time 10800 sec	248 - 302 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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