

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

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

Material Notes:

Self-lubricating product based on Polyetheretherketone (PEEK). 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-8810-15T-K30-PEEK-30-Carbon-Fiber-Reinforced-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	
Linear Mold Shrinkage, Transverse	0.0035 - 0.0055 cm/cm	0.0035 - 0.0055 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	170 MPa	24700 psi	
Elongation at Break	1.0 %	1.0 %	
Tensile Modulus	22.7 GPa	3290 ksi	
Charpy Impact Unnotched	2.70 J/cm ²	12.8 ft-lb/in ²	
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.24	0.24	
Coefficient of Friction, Static	0.30	0.30	
K (wear) Factor	6.00 x 10 ⁻⁸ mm ³ /N-M	2.98 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	350 °C	662 °F	
Deflection Temperature at 1.8 MPa (264 psi)	350 °C	662 °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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