

LATI Latilub 88/50-30GRT PEEK, Graphite/PTFE Filled

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, PTFE-Filled

Material Notes:

Self-lubricating product based on Polyetheretherketone (PEEK). Graphite / PTFE. 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-8850-30GRT-PEEK-GraphitePTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	
Linear Mold Shrinkage, Flow	0.0065 - 0.0105 cm/cm	0.0065 - 0.0105 in/in	
Linear Mold Shrinkage, Transverse	0.0090 - 0.013 cm/cm	0.0090 - 0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	
Elongation at Break	2.5 %	2.5 %	
Tensile Modulus	5.60 GPa	812 ksi	
Charpy Impact Unnotched	3.50 J/cm ²	16.7 ft-lb/in ²	
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.18	0.18	
Coefficient of Friction, Static	0.26	0.26	
K (wear) Factor	4.70 x 10 ⁻⁸ mm ³ /N-M	2.33 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	
Deflection Temperature at 1.8 MPa (264 psi)	165 °C	329 °F	
Vicat Softening Point	280 °C @Load 5.00 kg	536 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	360 - 390 °C	680 - 734 °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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