

LATI Latilub 88/50-20GRT K/10 PEEK, 10% Carbon Fiber Reinforced, Graphite/PTFE Filled

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

Material Notes:

Self-lubricating product based on Polyetheretherketone (PEEK). Graphite / 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-8850-20GRT-K10-PEEK-10-Carbon-Fiber-Reinforced-GraphitePTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 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 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	145 MPa	21000 psi	
Elongation at Break	2.3 %	2.3 %	
Tensile Modulus	12.5 GPa	1810 ksi	
Charpy Impact Unnotched	3.60 J/cm ²	17.1 ft-lb/in ²	
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.20	0.20	
Coefficient of Friction, Static	0.26	0.26	
K (wear) Factor	6.30 x 10 ⁻⁸ mm ³ /N-M	3.13 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)	295 °C	563 °F	
Vicat Softening Point	350 °C @Load 5.00 kg	662 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Melt Temperature Processing Properties	370 - 400 °C Metric	698 - 752 °F English	Comments
Mold Temperature	170 - 200 °C	338 - 392 °F	
Drying Temperature	120 - 150 °C @Time 10800 sec	248 - 302 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China