

LATI Latilub 87/28-17ST K/15 PC, 15% Carbon Fiber Reinforced, Silicone/PTFE Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Carbon + PTFE Filled

Material Notes:

Self-lubricating product based on Polycarbonate (PC). Silicone / 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-8728-17ST-K15-PC-15-Carbon-Fiber-Reinforced-SiliconePTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	
Linear Mold Shrinkage, Flow	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	
Linear Mold Shrinkage, Transverse	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	105 MPa	15200 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	10.5 GPa	1520 ksi	
Charpy Impact Unnotched	3.00 J/cm ²	14.3 ft-lb/in ²	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.16	0.16	
Coefficient of Friction, Static	0.22	0.22	
K (wear) Factor	7.00 x 10 ⁻⁸ mm ³ /N-M	3.47 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	145 Â°C	293 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	140 Â°C	284 Â°F	
Vicat Softening Point	150 Â°C @Load 5.00 kg	302 Â°F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
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Volume Resistivity Electrical Properties	450 ohm-cm Metric	450 ohm-cm English	Comments
Surface Resistance	250 ohm	250 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	275 - 320 Â°C	527 - 608 Â°F	
Mold Temperature	80.0 - 110 Â°C	176 - 230 Â°F	
Drying Temperature	110 - 130 Â°C @Time 10800 sec	230 - 266 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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