

LATI Latilub 30/R-07GRT PC, Graphite/PTFE Reinforced

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

Material Notes:

Self-lubricating product based on Polystyrene (PS). 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-30R-07GRT-PC-GraphitePTFE-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	
Linear Mold Shrinkage, Flow	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	
Linear Mold Shrinkage, Transverse	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	
Elongation at Break	30 %	30 %	
Elongation at Yield	1.0 %	1.0 %	
Tensile Modulus	2.30 GPa	334 ksi	
Charpy Impact Unnotched	5.00 J/cm ²	23.8 ft-lb/in ²	
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.11	0.11	
Coefficient of Friction, Static	0.18	0.18	
K (wear) Factor	100 x 10 ⁻⁸ mm ³ /N-M	49.6 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	
Vicat Softening Point	90.0 °C	194 °F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	220 - 260 °C Metric	428 - 500 °F English	Comments
Mold Temperature	40.0 - 60.0 °C	104 - 140 °F	
Drying Temperature	70.0 - 80.0 °C @Time 10800 sec	158 - 176 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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