

LATI Latilub 75/4-20T PBT, PTFE Filled

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), PTFE Filled

Material Notes:

Self-lubricating product based on Polybutylene Terephthalate (PBT). 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-754-20T-PBT-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	
Linear Mold Shrinkage, Flow	0.018 - 0.021 cm/cm	0.018 - 0.021 in/in	
Linear Mold Shrinkage, Transverse	0.018 - 0.0205 cm/cm	0.018 - 0.0205 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	
Elongation at Break	8.0 %	8.0 %	
Elongation at Yield	4.0 %	4.0 %	
Tensile Modulus	2.30 GPa	334 ksi	
Charpy Impact Unnotched	2.50 J/cm ²	11.9 ft-lb/in ²	
Charpy Impact, Notched	0.150 J/cm ²	0.714 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.12	0.12	
Coefficient of Friction, Static	0.15	0.15	
K (wear) Factor	4.00 x 10 ⁻⁸ mm ³ /N-M	1.99 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 Â°C	320 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	70.0 Â°C	158 Â°F	
Vicat Softening Point	170 Â°C @Load 5.00 kg	338 Â°F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	230 - 245 Å°C Metric	445 - 473 Å°F English	Comments
Mold Temperature	70.0 - 90.0 Å°C	158 - 194 Å°F	
Drying Temperature	100 - 120 Å°C @Time 10800 sec	212 - 248 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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