

LATI Latilub 73/13 Y/20 POM, 20% Aramid Fiber Reinforced

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Aramid Fiber Filled

Material Notes:

Self-lubricating product based on Polyoxymethylene (POM). Aramid fibers. 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-7313-Y20-POM-20-Aramid-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	
Linear Mold Shrinkage, Flow	0.0165 - 0.0195 cm/cm	0.0165 - 0.0195 in/in	
Linear Mold Shrinkage, Transverse	0.0175 - 0.021 cm/cm	0.0175 - 0.021 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
Elongation at Break	7.5 %	7.5 %	
Elongation at Yield	5.5 %	5.5 %	
Tensile Modulus	2.90 GPa	421 ksi	
Charpy Impact Unnotched	2.50 J/cm ²	11.9 ft-lb/in ²	
Charpy Impact, Notched	0.450 J/cm ²	2.14 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.14	0.14	
Coefficient of Friction, Static	0.18	0.18	
K (wear) Factor	4.50 x 10 ⁻⁸ mm ³ /N-M	2.23 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 °C	320 °F	
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	
Vicat Softening Point	140 °C @Load 5.00 kg	284 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	175 - 200 °C Metric	347 - 392 °F English	Comments
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	80.0 - 90.0 °C @Time 10800 sec	176 - 194 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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