

LATI Latilub 73/13-01M POM, Molybdenum disulphide Filled

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Self-lubricating product based on Polyoxymethylene (POM). Molybdenum disulphide. 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-7313-01M-POM-Molybdenum-disulphide-Filled.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	
Linear Mold Shrinkage, Flow	0.020 - 0.023 cm/cm	0.020 - 0.023 in/in	
Linear Mold Shrinkage, Transverse	0.0205 - 0.0225 cm/cm	0.0205 - 0.0225 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	
Elongation at Break	20 %	20 %	
Elongation at Yield	5.0 %	5.0 %	
Tensile Modulus	2.60 GPa	377 ksi	
Charpy Impact Unnotched	5.00 J/cm ²	23.8 ft-lb/in ²	
Charpy Impact, Notched	0.580 J/cm ²	2.76 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.16	0.16	
Coefficient of Friction, Static	0.18	0.18	
K (wear) Factor	11.0 x 10 ⁻⁸ mm ³ /N-M	5.46 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 Â°C	230 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	85.0 Â°C	185 Â°F	
Vicat Softening Point	130 Â°C @Load 5.00 kg	266 Â°F @Load 11.0 lb	

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

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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