

LATI Latilub 52/30-15T G/30 PP Homopolymer, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

Material Notes:

Self-lubricating product based on Polypropylene homopolymer (PPH). PTFE. Glass 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-5230-15T-G30-PP-Homopolymer-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	
Linear Mold Shrinkage, Flow	0.0040 - 0.0065 cm/cm	0.0040 - 0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.010 - 0.013 cm/cm	0.010 - 0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	
Elongation at Break	2.8 %	2.8 %	
Tensile Modulus	6.70 GPa	972 ksi	
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.10	0.10	
Coefficient of Friction, Static	0.16	0.16	
K (wear) Factor	12.0 x 10 ⁻⁸ mm ³ /N-M	5.96 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)	145 Â°C	293 Â°F	
Vicat Softening Point	130 Â°C @Load 5.00 kg	266 Â°F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 250 Â°C	428 - 482 Â°F	

Mold Temperature Processing Properties	40.0 - 60.0 Å°C Metric	104 - 140 Å°F English	Comments
Drying Temperature	80.0 - 90.0 Å°C @Time 10800 sec	176 - 194 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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