

LATI Latilub 57D-15T G/30 PPA, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 30% Glass Fiber Reinforced

Material Notes:

Self-lubricating product based on Semi-aromatic polyamide (PPA). 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-57D-15T-G30-PPA-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0065 cm/cm	0.0035 - 0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.0105 cm/cm	0.0075 - 0.0105 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	170 MPa	24700 psi	
Elongation at Break	2.2 %	2.2 %	
Tensile Modulus	10.0 GPa	1450 ksi	
Charpy Impact Unnotched	6.00 J/cm ²	28.6 ft-lb/in ²	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.29	0.29	
Coefficient of Friction, Static	0.33	0.33	
K (wear) Factor	15.0 x 10 ⁻⁸ mm ³ /N-M	7.45 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	280 °C	536 °F	
Deflection Temperature at 1.8 MPa (264 psi)	255 °C	491 °F	
Vicat Softening Point	250 °C @Load 5.00 kg	482 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	320 - 340 °C	608 - 644 °F	

Mold Temperature Processing Properties	130 - 160 Å°C Metric	266 - 320 Å°F English	Comments
Drying Temperature	90.0 - 100 Å°C @Time 10800 sec	194 - 212 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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