

LATI Latilub 80-10T Y/15 PPS, 15% Aramid Fiber Reinforced, PTFE Filled

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Aramid Fiber Filled

Material Notes:

Self-lubricating product based on Polyphenylene Sulfide (PPS). PTFE. 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-80-10T-Y15-PPS-15-Aramid-Fiber-Reinforced-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	
Linear Mold Shrinkage, Flow	0.0045 - 0.0075 cm/cm	0.0045 - 0.0075 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
Elongation at Break	1.2 %	1.2 %	
Tensile Modulus	3.80 GPa	551 ksi	
Charpy Impact Unnotched	0.500 J/cm ²	2.38 ft-lb/in ²	
Charpy Impact, Notched	0.150 J/cm ²	0.714 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.15	0.15	
Coefficient of Friction, Static	0.19	0.19	
K (wear) Factor	4.30 x 10 ⁻⁸ mm ³ /N-M	2.13 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	250 Â°C	482 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	110 Â°C	230 Â°F	
Vicat Softening Point	245 Â°C @Load 5.00 kg	473 Â°F @Load 11.0 lb	
Flammability, UL94	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	

Processing Properties	Metric	English	Comments
Melt Temperature	290 - 310 Â°C	554 - 590 Â°F	
Mold Temperature	130 - 150 Â°C	266 - 302 Â°F	
Drying Temperature	130 - 150 Â°C @Time 10800 sec	266 - 302 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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