

LATI Latilub 66-10T Y/15 PA66, 15% Aramid Fiber Reinforced, PTFE Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Aramid Fiber Filled

Material Notes:

Self-lubricating product based on Polyamide 66 (PA66). 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-66-10T-Y15-PA66-15-Aramid-Fiber-Reinforced-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	
Linear Mold Shrinkage, Flow	0.0125 - 0.0145 cm/cm	0.0125 - 0.0145 in/in	
Linear Mold Shrinkage, Transverse	0.0135 - 0.0165 cm/cm	0.0135 - 0.0165 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	
Elongation at Break	5.0 %	5.0 %	
Tensile Modulus	3.80 GPa	551 ksi	
Charpy Impact Unnotched	4.50 J/cm ²	21.4 ft-lb/in ²	
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.21	0.21	
Coefficient of Friction, Static	0.25	0.25	
K (wear) Factor	7.50 x 10 ⁻⁸ mm ³ /N-M	3.72 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	240 Â°C	464 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	120 Â°C	248 Â°F	
Vicat Softening Point	245 Â°C	473 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 300 Â°C	518 - 572 Â°F	

Mold Temperature Processing Properties	70.0 - 90.0 Â°C Metric	158 - 194 Â°F English	Comments
Drying Temperature	90.0 - 100 Â°C @Time 10800 sec	194 - 212 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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