

LATI Latilub 66 Y/20 PA66, Aramid Fiber Reinforced

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

Material Notes:

Self-lubricating product based on Polyamide 66 (PA66). Aramid fibersAvailability: Africa & Middle East; Asia Pacific; Europe; Latin America; North AmericaInformation provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latilub-66-Y20-PA66-Aramid-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	
Linear Mold Shrinkage, Flow	0.0095 - 0.0125 cm/cm	0.0095 - 0.0125 in/in	
Linear Mold Shrinkage, Transverse	0.0105 - 0.0135 cm/cm	0.0105 - 0.0135 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	
Elongation at Break	3.5 %	3.5 %	
Tensile Modulus	3.80 GPa	551 ksi	
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.22	0.22	
Coefficient of Friction, Static	0.26	0.26	
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)	240 Â°C	464 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	

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

Mold Temperature Processing Properties	70.0 - 100 Â°C Metric	158 - 212 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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