

LATI Latilub 66-20ST PA66, Silicone/PTFE Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , PTFE Filled

Material Notes:

Self-lubricating product based on Polyamide 66 (PA66). Silicone / PTFE. 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-66-20ST-PA66-SiliconePTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	
Linear Mold Shrinkage, Flow	0.013 - 0.016 cm/cm	0.013 - 0.016 in/in	
Linear Mold Shrinkage, Transverse	0.014 - 0.017 cm/cm	0.014 - 0.017 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.0 MPa	10900 psi	
Elongation at Break	5.0 %	5.0 %	
Elongation at Yield	2.0 %	2.0 %	
Tensile Modulus	2.80 GPa	406 ksi	
Charpy Impact Unnotched	4.50 J/cm ²	21.4 ft-lb/in ²	
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.16	0.16	
Coefficient of Friction, Static	0.20	0.20	
K (wear) Factor	7.20 x 10 ⁻⁸ mm ³ /N-M	3.57 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)	100 Â°C	212 Â°F	
Vicat Softening Point	245 Â°C @Load 5.00 kg	473 Â°F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	270 - 300 Â°C Metric	518 - 572 Â°F English	Comments
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 Â°F	
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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