

LATI Latilub 62-15ST PA6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Self-lubricating product based on Polyamide 6 (PA6). 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-62-15ST-PA6.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	
Linear Mold Shrinkage, Flow	0.0090 - 0.012 cm/cm	0.0090 - 0.012 in/in	
Linear Mold Shrinkage, Transverse	0.0095 - 0.013 cm/cm	0.0095 - 0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 psi	
Elongation at Break	45 %	45 %	
Elongation at Yield	5.0 %	5.0 %	
Tensile Modulus	2.40 GPa	348 ksi	
Charpy Impact Unnotched	NB	NB	
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	0.21	0.21	
K (wear) Factor	8.10 x 10 ⁻⁸ mm ³ /N-M	4.02 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	155 Â°C	311 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	55.0 Â°C	131 Â°F	
Vicat Softening Point	200 Â°C	392 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	230 - 250 Å°C Metric	445 - 482 Å°F English	Comments
Mold Temperature	70.0 - 90.0 Å°C	158 - 194 Å°F	
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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