

LATI Latilub 95-15T PSU, PTFE Filled

Category : Polymer , Thermoplastic , Polysulfone (PSU)

Material Notes:

Self-lubricating product based on Polysulfone (PSU). 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-95-15T-PSU-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	
Linear Mold Shrinkage, Flow	0.0105 - 0.013 cm/cm	0.0105 - 0.013 in/in	
Linear Mold Shrinkage, Transverse	0.0115 - 0.0135 cm/cm	0.0115 - 0.0135 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	
Elongation at Break	8.0 %	8.0 %	
Elongation at Yield	5.0 %	5.0 %	
Tensile Modulus	1.80 GPa	261 ksi	
Charpy Impact Unnotched	7.00 J/cm ²	33.3 ft-lb/in ²	
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.17	0.17	
Coefficient of Friction, Static	0.20	0.20	
K (wear) Factor	4.50 x 10 ⁻⁸ mm ³ /N-M	2.23 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	180 °C	356 °F	
Deflection Temperature at 1.8 MPa (264 psi)	170 °C	338 °F	
Vicat Softening Point	180 °C @Load 5.00 kg	356 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	290 - 320 °C Metric	554 - 608 °F English	Comments
Mold Temperature	90.0 - 110 °C	194 - 230 °F	
Drying Temperature	110 - 130 °C @Time 10800 sec	230 - 266 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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