

LATI Latilub 95-25GR CE/10 PSU, Mineral Fiber Reinforced, Graphite Filled

Category : Polymer , Thermoplastic , Polyarylsulfone (PAS) , Polyarylsulfone; Molded/Extruded

Material Notes:

Self-lubricating product based on Polysulfone (PSU). Graphite. Mineral filler. 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-95-25GR-CE10-PSU-Mineral-Fiber-Reinforced-Graphite-Filled.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in ³	
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0055 - 0.0080 cm/cm	0.0055 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	
Elongation at Break	1.2 %	1.2 %	
Tensile Modulus	8.50 GPa	1230 ksi	
Charpy Impact Unnotched	1.00 J/cm ²	4.76 ft-lb/in ²	
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.18	0.18	
Coefficient of Friction, Static	0.23	0.23	
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)	175 °C	347 °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
Melt Temperature	300 - 330 °C	572 - 626 °F	

Mold Temperature Processing Properties	100 - 120 °C Metric	212 - 248 °F English	Comments
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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