

## LATI Latilub 66-10T K/10 PA66, 10% Carbon Fiber Reinforced, PTFE Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Carbon Fiber/PTFE Filled

### Material Notes:

Self-lubricating product based on Polyamide 66 (PA66). PTFE. Carbon fiber. 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-66-10T-K10-PA66-10-Carbon-Fiber-Reinforced-PTFE-Filled.php](http://www.lookpolymers.com/polymer_LATI-Latilub-66-10T-K10-PA66-10-Carbon-Fiber-Reinforced-PTFE-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0035 - 0.0055 cm/cm	0.0035 - 0.0055 in/in	
Linear Mold Shrinkage, Transverse	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	145 MPa	21000 psi	
Elongation at Break	2.8 %	2.8 %	
Tensile Modulus	9.10 GPa	1320 ksi	
Charpy Impact Unnotched	3.50 J/cm <sup>2</sup>	16.7 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.500 J/cm <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	
Coefficient of Friction, Dynamic	0.21	0.21	
Coefficient of Friction, Static	0.24	0.24	
K (wear) Factor	13.0 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	6.45 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	270 Â°C	518 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	250 Â°C	482 Â°F	
Vicat Softening Point	250 Â°C @Load 5.00 kg	482 Â°F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	275 - 300 Â°C	527 - 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	

## Contact Songhan Plastic Technology Co.,Ltd.

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