

## LATI Latilub 57-30GRTS G/20 PPA, 20% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 20% Glass Fiber Reinforced

### Material Notes:

Self-lubricating product based on Semi-aromatic polyamide (PPA). Glass fibers. 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-57-30GRTS-G20-PPA-20-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Latilub-57-30GRTS-G20-PPA-20-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	
Linear Mold Shrinkage, Transverse	0.012 - 0.016 cm/cm	0.012 - 0.016 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	
Elongation at Break	1.5 %	1.5 %	
Tensile Modulus	11.0 GPa	1600 ksi	
Charpy Impact Unnotched	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	
Charpy Impact, Notched	0.650 J/cm <sup>2</sup>	3.09 ft-lb/in <sup>2</sup>	
Coefficient of Friction, Dynamic	0.22	0.22	
Coefficient of Friction, Static	0.24	0.24	
K (wear) Factor	8.00 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	3.97 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)	295 Â°C	563 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	275 Â°C	527 Â°F	
Vicat Softening Point	245 Â°C	473 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	310 - 330 Â°C	590 - 626 Â°F	

Mold Temperature Processing Properties	150 - 170 Å°C Metric	302 - 338 Å°F English	Comments
Drying Temperature	120 - 130 Å°C @Time 10800 sec	248 - 266 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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