

## Eurostar Star L PA66 30V D31 PA66, Glass Fiber Filled, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 10% Glass Fiber Filled

### Material Notes:

Star L PA66 30V D31 is a Molybdenum Disulfide Lubricated, Glass Fiber Reinforced, Polyamide 66 Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Star-L-PA66-30V-D31-PA66-Glass-Fiber-Filled-Injection-Molded.php](http://www.lookpolymers.com/polymer_Eurostar-Star-L-PA66-30V-D31-PA66-Glass-Fiber-Filled-Injection-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	E2P method
	@Thickness 4.00 mm	@Thickness 0.157 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	165 MPa	23900 psi	ISO 527
Elongation at Break	2.0 %	2.0 %	ISO 527
Flexural Strength	219 MPa	31800 psi	ISO 178
Flexural Modulus	8.00 GPa	1160 ksi	ISO 178
Izod Impact, Notched (ISO)	8.20 kJ/m <sup>2</sup>	3.90 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	38.0 kJ/m <sup>2</sup>	18.1 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Melting Point	264 °C	507 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	236 °C	457 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af

Processing Properties	Metric	English	Comments
Zone 1	265 - 275 °C	509 - 527 °F	
Zone 2	270 - 280 °C	518 - 536 °F	
Zone 3	270 - 280 °C	518 - 536 °F	
Melt Temperature	270 - 280 °C	518 - 536 °F	
Mold Temperature	60.0 - 100 °C	140 - 212 °F	
	80.0 °C	176 °F	

Processing Properties	Metric @ Time 14400 sec	English @ Time 4.00 hour	Comments
Moisture Content	0.20 %	0.20 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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