

## Eurostar Star L PA6 30V D31 PA6, Glass Filled, Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 10% Glass Fiber Filled

### Material Notes:

Star L PA6 30V D31 is a Molybdenum Disulfide Lubricated, Glass Fiber Reinforced, Polyamide 6 Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Star-L-PA6-30V-D31-PA6-Glass-Filled-Injection-Molding.php](http://www.lookpolymers.com/polymer_Eurostar-Star-L-PA6-30V-D31-PA6-Glass-Filled-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm @Thickness 4.00 mm	0.0020 - 0.0040 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	170 MPa	24700 psi	ISO 527
Elongation at Break	2.5 %	2.5 %	ISO 527
Flexural Strength	240 MPa	34800 psi	ISO 178
Flexural Modulus	8.60 GPa	1250 ksi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	65.0 kJ/m <sup>2</sup>	30.9 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	197 °C	387 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af

Processing Properties	Metric	English	Comments
Zone 1	240 - 250 °C	464 - 482 °F	
Zone 2	250 - 260 °C	482 - 500 °F	
Zone 3	250 - 270 °C	482 - 518 °F	
Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	50.0 - 90.0 °C	122 - 194 °F	
	80.0 °C	176 °F	

<b>Drying Temperature</b> Processing Properties	<b>Metric</b> @ Time 14400 sec	<b>English</b> @ Time 4.00 hour	<b>Comments</b>
Moisture Content	0.20 %	0.20 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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