

## Eurostar Star L PA66 15Y D52 PA66, Carbon Filled, Injection Molded

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

### Material Notes:

Star L PA66 15Y D52 is a PTFE Lubricated, Carbon 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-PA66-15Y-D52-PA66-Carbon-Filled-Injection-Molded.php](http://www.lookpolymers.com/polymer_Eurostar-Star-L-PA66-15Y-D52-PA66-Carbon-Filled-Injection-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 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	161 MPa	23400 psi	ISO 527
Elongation at Break	2.5 %	2.5 %	ISO 527
Flexural Strength	215 MPa	31200 psi	ISO 178
Flexural Modulus	9.10 GPa	1320 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	41.0 kJ/m <sup>2</sup>	19.5 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Melting Point	265 °C	509 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	233 °C	451 °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	

<b>Drying Temperature</b> Processing Properties	<b>Metric</b> @ Time 14400 sec	<b>English</b> @ Time 4.00 hour	<b>Comments</b>
Moisture Content	0.15 - 0.25 %	0.15 - 0.25 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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