

## Eurostar Star L PA66 D91 PA66, Aramid Fiber Filled, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Aramid Fiber Filled

### Material Notes:

Star L PA66 D91 is a PTFE lubricated, Aramid 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-D91-PA66-Aramid-Fiber-Filled-Injection-Molded.php](http://www.lookpolymers.com/polymer_Eurostar-Star-L-PA66-D91-PA66-Aramid-Fiber-Filled-Injection-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.012 - 0.018 cm/cm @Thickness 4.00 mm	0.012 - 0.018 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	88.0 MPa	12800 psi	ISO 527
Elongation at Break	6.0 %	6.0 %	ISO 527
Flexural Strength	110 MPa	16000 psi	ISO 178
Flexural Modulus	3.50 GPa	508 ksi	ISO 178
Izod Impact, Notched (ISO)	5.50 kJ/m <sup>2</sup>	2.62 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	35.0 kJ/m <sup>2</sup>	16.7 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 0.46 MPa (66 psi)	241 °C	466 °F	Edgew 120x10x4, sp=100 mm; ISO 75/Be
Deflection Temperature at 1.8 MPa (264 psi)	125 °C	257 °F	Edgew 120x10x4, sp=100 mm; ISO 75/Ae

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	

Processing Properties	80.0 °C Metric	176 °F English	Comments
	@Time 14400 sec	@Time 4.00 hour	
Moisture Content	0.15 - 0.25 %	0.15 - 0.25 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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