

Eurostar Star L PA66 D61 PA66, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Unreinforced

Material Notes:

Star L PA66 D51 is a PTFE/Silicone Oil Lubricated, Unreinforced, 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-D61-PA66-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.024 - 0.030 cm/cm @Thickness 4.00 mm	0.024 - 0.030 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	69.0 MPa	10000 psi	ISO 527
Elongation at Break	8.0 %	8.0 %	ISO 527
Flexural Strength	89.0 MPa	12900 psi	ISO 178
Flexural Modulus	2.40 GPa	348 ksi	ISO 178
Izod Impact, Notched (ISO)	6.30 kJ/m ²	3.00 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	53.0 kJ/m ²	25.2 ft-lb/in ²	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)	165 °C	329 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af

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