

Eurostar Star L PA66 30Y D51 PA66, Carbon Fiber Filled, Injection Molded

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

Material Notes:

Star L PA66 30Y D51 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-PA66-30Y-D51-PA66-Carbon-Fiber-Filled-Injection-Molded.php

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm @Thickness 4.00 mm	0.0010 - 0.0030 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	208 MPa	30200 psi	ISO 527
Elongation at Break	1.8 %	1.8 %	ISO 527
Flexural Strength	275 MPa	39900 psi	ISO 178
Flexural Modulus	16.0 GPa	2320 ksi	ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	52.0 kJ/m ²	24.7 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)	243 °C	469 °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	
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	

Processing Properties

Metric 0.25 %

English 0.25 %

Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China