

Eurostar Star X 1615 33V S4 PA66, Glass Fiber Reinforced, UV stabilized, Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Reinforced, Impact Grade

Material Notes:

Star X 1615 33V S4 is an Impact Modified, Glass Fiber Reinforced, UV stabilized Polyamide 66 Injection Molding Resin. Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Star-X-1615-33V-S4-PA66-Glass-Fiber-Reinforced-UV-stabilized-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 - 0.0040 cm/cm @Thickness 4.00 mm	0.0010 - 0.0040 in/in @Thickness 0.157 in	E2P method
Ash	33 % @Temperature 650 °C	33 % @Temperature 1200 °F	ISO 3451

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	115 MPa	16700 psi	ISO 527
Elongation at Break	4.0 - 6.0 %	4.0 - 6.0 %	
Tensile Modulus	7.30 GPa	1060 ksi	1 mm/min; ISO 527
Flexural Strength	150 MPa	21800 psi	ISO 178
Flexural Modulus	6.10 GPa	885 ksi	ISO 178
Izod Impact, Notched (ISO)	18.0 kJ/m ² @Temperature -30.0 °C	8.57 ft-lb/in ² @Temperature -22.0 °F	80x10x4; ISO 180/1A
	30.0 kJ/m ² @Temperature 23.0 °C	14.3 ft-lb/in ² @Temperature 73.4 °F	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	85.0 kJ/m ² @Temperature -30.0 °C	40.4 ft-lb/in ² @Temperature -22.0 °F	80x10x4; ISO 180/1U
	90.0 kJ/m ² @Temperature 23.0 °C	42.8 ft-lb/in ² @Temperature 73.4 °F	80x10x4; ISO 180/1U
Charpy Impact Unnotched	9.00 J/cm ²	42.8 ft-lb/in ²	Edgew 80x10x4 sp=62; ISO 179/1eU
Charpy Impact, Notched	3.00 J/cm ²	14.3 ft-lb/in ²	Edgew 80x10x4 sp=62; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	DSC; ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	230 °C	446 °F	Edgew 120x10x4, sp=100 mm; ISO 75/Ae

Processing Properties	Metric	English	Comments
Zone 1	260 - 280 °C	500 - 536 °F	
Zone 2	270 - 280 °C	518 - 536 °F	
Zone 3	270 - 290 °C	518 - 554 °F	
Melt Temperature	270 - 290 °C	518 - 554 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	
Drying Temperature	75.0 - 85.0 °C @Time 14400 - 21600 sec	167 - 185 °F @Time 4.00 - 6.00 hour	
Moisture Content	0.20 %	0.20 %	

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