

## Eurostar Star C BX6088 ABS, 20% Carbon Filled, Injection Molding

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 20% Carbon Fiber Filled

### Material Notes:

Star C BX06008 is a 20% Carbon Fiber Reinforced ABS Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Star-C-BX6088-ABS-20-Carbon-Filled-Injection-Molding.php](http://www.lookpolymers.com/polymer_Eurostar-Star-C-BX6088-ABS-20-Carbon-Filled-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 - 0.0030 cm/cm @Thickness 4.00 mm	0.0020 - 0.0030 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	5 mm/min; ISO 527
Elongation at Break	1.0 %	1.0 %	5 mm/min; ISO 527
Tensile Modulus	6.60 GPa	957 ksi	1 mm/min; ISO 527
Flexural Yield Strength	105 MPa	15200 psi	2 mm/min; ISO 178
Flexural Modulus	6.50 GPa	943 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 1.00e+6 ohm	100 - 1.00e+6 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Zone 1	205 - 215 °C	401 - 419 °F	
Zone 2	245 - 255 °C	473 - 491 °F	
Zone 3	255 - 265 °C	491 - 509 °F	
Melt Temperature	260 °C	500 °F	
Mold Temperature	40.0 - 70.0 °C	104 - 158 °F	

Processing Properties	80.0 °C Metric	176 °F English	Comments
Drying Temperature	@Time 14400 sec	@Time 4.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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