

## Eurostar Staramide PF00AS PA6, 50% Glass Fiber Filled, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 50% Glass Fiber Filled

### Material Notes:

Staramide PF00AS is a 50% Glass Fiber Reinforced, Polyamide 6 Injection Molding Resin. Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Staramide-PF00AS-PA6-50-Glass-Fiber-Filled-Injection-Molded.php](http://www.lookpolymers.com/polymer_Eurostar-Staramide-PF00AS-PA6-50-Glass-Fiber-Filled-Injection-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0015 - 0.0035 cm/cm @Thickness 4.00 mm	0.0015 - 0.0035 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	220 MPa	31900 psi	5 mm/min; ISO 527
Elongation at Break	2.5 %	2.5 %	5 mm/min; ISO 527
Tensile Modulus	15.0 GPa	2180 ksi	1 mm/min; ISO 527
Flexural Strength	300 MPa	43500 psi	ISO 178
Flexural Modulus	15.0 GPa	2180 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	19.0 kJ/m <sup>2</sup>	9.04 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	90.0 kJ/m <sup>2</sup>	42.8 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1U
Charpy Impact Unnotched	8.50 J/cm <sup>2</sup>	40.4 ft-lb/in <sup>2</sup>	Edgew 80x10x4 sp=62; ISO 179/1eU
Charpy Impact, Notched	1.70 J/cm <sup>2</sup>	8.09 ft-lb/in <sup>2</sup>	Edgew 80x10x4 sp=62; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	Edgew 120x10x4, sp=100 mm; ISO 75/Ae

Processing Properties	Metric	English	Comments
Zone 1	250 - 260 °C	482 - 500 °F	
Zone 2	260 - 280 °C	500 - 536 °F	
Zone 3	260 - 280 °C	500 - 536 °F	
Melt Temperature	260 - 280 °C	500 - 536 °F	

Mold Temperature Processing Properties	50.0 - 90.0 °C Metric	122 - 194 °F English	Comments
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Moisture Content	0.20 %	0.20 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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