

## Eurostar Staramide RF004EU PA66/6, 20% Glass Fiber Filled, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6 , 20% Glass Fiber Reinforced

### Material Notes:

Staramide RF004EU is a 20% Glass Fiber Reinforced Polyamide 66/6 Injection Molding (also known as Staramide 66C 20V S4) Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Staramide-RF004EU-PA666-20-Glass-Fiber-Filled-Injection-Molded.php](http://www.lookpolymers.com/polymer_Eurostar-Staramide-RF004EU-PA666-20-Glass-Fiber-Filled-Injection-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in <sup>3</sup>	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

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	130 MPa	18900 psi	ISO 527
Elongation at Break	>= 3.0 %	>= 3.0 %	ISO 527
Tensile Modulus	7.00 GPa	1020 ksi	1 mm/min; ISO 527
Flexural Strength	195 MPa	28300 psi	ISO 178
Flexural Modulus	6.00 GPa	870 ksi	ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	80x10x4; ISO 179/1eA
Izod Impact, Unnotched (ISO)	48.0 kJ/m <sup>2</sup>	22.8 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1U
Charpy Impact Unnotched	5.50 J/cm <sup>2</sup>	26.2 ft-lb/in <sup>2</sup>	Edgew 80x10x4 sp=62; ISO 179/1eU
Charpy Impact, Notched	0.700 J/cm <sup>2</sup>	3.33 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)	221 °C @Thickness 3.20 mm	430 °F @Thickness 0.126 in	unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Zone 1	255 - 275 °C	491 - 527 °F	
Zone 2	265 - 275 °C	509 - 527 °F	
Zone 3	265 - 275 °C	509 - 527 °F	

Melt Temperature Processing Properties	265 - 275 °C Metric	509 - 527 °F English	Comments
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.

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