

## Eurostar Staramide RF008U PA66/6, 40% Glass Filled, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6, 40% Glass Fiber Reinforced

### Material Notes:

Staramide RF008U is a 40% Glass Fiber Reinforced Polyamide 66/Polyamide 6 Injection Molding Resin (also known as Staramide 66 C 40V S4) Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Staramide-RF008U-PA666-40-Glass-Filled-Injection-Molded.php](http://www.lookpolymers.com/polymer_Eurostar-Staramide-RF008U-PA666-40-Glass-Filled-Injection-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	E2P method
	@Thickness 4.00 mm	@Thickness 0.157 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	189 MPa	27400 psi	5 mm/min; ISO 527
Elongation at Break	2.3 %	2.3 %	5 mm/min; ISO 527
Flexural Strength	276 MPa	40000 psi	2 mm/min; ISO 178
Flexural Modulus	11.0 GPa	1600 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m <sup>2</sup>	6.66 ft-lb/in <sup>2</sup>	80x10x4; ISO 179/1eA
Izod Impact, Unnotched (ISO)	70.0 kJ/m <sup>2</sup>	33.3 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	27.0 µm/m-°C	15.0 µin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
Deflection Temperature at 1.8 MPa (264 psi)	258 °C	496 °F	Flatw 80x10x4, sp=64 mm; ISO 75/af

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	

Processing Properties	Metric	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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