

## Eurostar Staramide R1000K PA66, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Unreinforced

**Material Notes:**

Staramide R1000K is an Unreinforced Radiation Crosslinkable Polyamide 66 Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Staramide-R1000K-PA66-Injection-Molded.php](http://www.lookpolymers.com/polymer_Eurostar-Staramide-R1000K-PA66-Injection-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.014 - 0.016 cm/cm @Thickness 4.00 mm	0.014 - 0.016 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	5 mm/min; ISO 527
Elongation at Break	3.0 %	3.0 %	5 mm/min; ISO 527
Flexural Strength	100 MPa	14500 psi	2 mm/min; ISO 178
Flexural Modulus	2.50 GPa	363 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	25.0 kJ/m <sup>2</sup>	11.9 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	56.0 °C	133 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af

Processing Properties	Metric	English	Comments
Zone 1	265 - 275 °C	509 - 527 °F	
Zone 2	265 - 275 °C	509 - 527 °F	
Zone 3	265 - 275 °C	509 - 527 °F	
Melt Temperature	265 - 275 °C	509 - 527 °F	
Mold Temperature	60.0 - 100 °C	140 - 212 °F	
Moisture Content	0.20 %	0.20 %	

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