

## Eurostar Staramide R1000IX4 PA66, Impact Modified, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

### Material Notes:

Staramide R1000IX4 is an Impact Modified Polyamide 66 Injection Molding Resin (also known as R1000HI020 Star X 1020) Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Staramide-R1000IX4-PA66-Impact-Modified-Injection-Molded.php](http://www.lookpolymers.com/polymer_Eurostar-Staramide-R1000IX4-PA66-Impact-Modified-Injection-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.011 - 0.015 cm/cm @Time 86400 sec	0.011 - 0.015 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	ISO 527
Elongation at Break	70 %	70 %	ISO 527
Tensile Modulus	2.20 GPa	319 ksi	1 mm/min; ISO 527
Flexural Strength	50.0 MPa	7250 psi	ISO 178
Flexural Modulus	1.40 GPa	203 ksi	ISO 178
Izod Impact, Notched (ISO)	55.0 kJ/m <sup>2</sup>	26.2 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	98.0 kJ/m <sup>2</sup>	46.6 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af

Processing Properties	Metric	English	Comments
Zone 1	260 - 270 °C	500 - 518 °F	
Zone 2	270 - 280 °C	518 - 536 °F	
Zone 3	270 - 280 °C	518 - 536 °F	
Melt Temperature	270 - 280 °C	518 - 536 °F	
Mold Temperature	60.0 - 100 °C	140 - 212 °F	
	80.0 °C	176 °F	

<b>Drying Temperature</b> Processing Properties	<b>Metric</b> @ Time 14400 sec	<b>English</b> @ Time 4.00 hour	<b>Comments</b>
Moisture Content	0.20 %	0.20 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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