

## Eurostar Staramide RF007ESS PA66/6, 35% Glass Filled, Injection Molded

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

### Material Notes:

Staramide RF007ESS is a 35% Glass Fiber Reinforced Polyamide 66/Polyamide 6 Injection Molding Resin (also known as RF1007EMHS) Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Staramide-RF007ESS-PA666-35-Glass-Filled-Injection-Molded.php](http://www.lookpolymers.com/polymer_Eurostar-Staramide-RF007ESS-PA666-35-Glass-Filled-Injection-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	on Tensile Bar; E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	178 MPa	25800 psi	5 mm/min; ISO 527
Elongation at Break	2.4 %	2.4 %	5 mm/min; ISO 527
Flexural Strength	235 MPa	34100 psi	2 mm/min; ISO 178
Flexural Modulus	9.10 GPa	1320 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	80x10x4; ISO 179/1eA
Izod Impact, Unnotched (ISO)	50.0 kJ/m <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	237 °C	459 °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	
Drying Temperature	75.0 - 85.0 °C @Time 14400 - 21600 sec	167 - 185 °F @Time 4.00 - 6.00 hour	

Moisture Content Processing Properties	0.20 % Metric	0.20 % English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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