

Eurostar Staramide RF006EU PA66/6, Glass Fiber Filled, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/Nylon 6 Blend, Glass Fiber Filled

Material Notes:

Staramide RF006EU is an UV stabilized, Glass Fiber Reinforced Polyamide 66/Polyamide 6 Injection Molding Resin (also known as Staramide 66C 30V S4)Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Staramide-RF006EU-PA666-Glass-Fiber-Filled-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Water Absorption	3.0 % @Temperature 23.0 °C, Time 86400 sec	3.0 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Thickness 4.00 mm	0.0020 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	170 MPa	24700 psi	5 mm/min; ISO 527
Elongation at Yield	3.3 %	3.3 %	5 mm/min; ISO 527
Tensile Modulus	8.80 GPa	1280 ksi	1 mm/min; ISO 527
Flexural Yield Strength	233 MPa	33800 psi	2 mm/min; ISO 178
Flexural Modulus	7.60 GPa	1100 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m ²	6.66 ft-lb/in ²	80x10x4; ISO 179/1eA
Izod Impact, Unnotched (ISO)	80.0 kJ/m ²	38.1 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	24.0 µm/m-°C @Temperature 23.0 - 60.0 °C	13.3 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af

Processing Properties	Metric	English	Comments
Zone 1	255 - 275 °C	491 - 527 °F	

Zone 2 Processing Properties	265 - 275 °C Metric	509 - 527 °F English	Comments
Zone 3	265 - 275 °C	509 - 527 °F	
Melt Temperature	265 - 275 °C	509 - 527 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Moisture Content	0.20 %	0.20 %	

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