

Eurostar Staramide RF006S-GY9A121 PA66, 30% Glass Fiber Filled, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Staramide RF006S-GY9A121 is a 30% Glass Fiber Reinforced Polyamide 66 Injection Molding Resin. Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Staramide-RF006S-GY9A121-PA66-30-Glass-Fiber-Filled-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm @Thickness 4.00 mm	0.0030 - 0.0050 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	133 MPa	19300 psi	ISO 527
Elongation at Break	2.0 %	2.0 %	ISO 527
Flexural Strength	188 MPa	27300 psi	ISO 178
Flexural Modulus	7.40 GPa	1070 ksi	ISO 178
Izod Impact, Notched (ISO)	4.50 kJ/m ²	2.14 ft-lb/in ²	80x10x4; ISO 179/1eA
Izod Impact, Unnotched (ISO)	30.0 kJ/m ²	14.3 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	235 °C	455 °F	Edgew 120x10x4, sp=100 mm; ISO 75/Ae

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	167 - 185 °F	

Processing Properties	^{sec} Metric	@Time 4.00 - 6.00 hour English	Comments
Moisture Content	0.20 %	0.20 %	

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