

Eurostar Staramide 6 80E7 PA6, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Staramide 6 80E7 is a high density, Polyamide 6, Injection Molding Resin (also known as 680E7) Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Staramide-6-80E7-PA6-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	2.99 g/cc	0.108 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0070 - 0.010 cm/cm @Thickness 4.00 mm	0.0070 - 0.010 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	74.0 MPa	10700 psi	ISO 527
Elongation at Break	0.90 %	0.90 %	ISO 527
Flexural Strength	102 MPa	14800 psi	ISO 178
Flexural Modulus	9.50 GPa	1380 ksi	ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	17.0 kJ/m ²	8.09 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	132 °C	270 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af

Processing Properties	Metric	English	Comments
Zone 1	250 - 260 °C	482 - 500 °F	
Zone 2	260 - 280 °C	500 - 536 °F	
Zone 3	260 - 280 °C	500 - 536 °F	
Melt Temperature	260 - 280 °C	500 - 536 °F	
Mold Temperature	50.0 - 90.0 °C	122 - 194 °F	
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Moisture Content	0.20 %	0.20 %	

Processing Properties

Metric

English

Comments

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