

Eurostar Staramide P1000J5 PA6, Impact Modified, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

Material Notes:

Staramide P1000J5 is a Low Temperature Impact Modified, Polyamide 6 Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Staramide-P1000J5-PA6-Impact-Modified-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.017 cm/cm	0.017 in/in	E2P method
	@Thickness 4.00 mm	@Thickness 0.157 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	35.0 MPa	5080 psi	50 mm/min; ISO 527
Elongation at Yield	3.7 %	3.7 %	50 mm/min; ISO 527
Tensile Modulus	1.40 GPa	203 ksi	1 mm/min; ISO 527
Flexural Yield Strength	43.0 MPa	6240 psi	2 mm/min; ISO 178
Flexural Modulus	1.20 GPa	174 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af

Processing Properties	Metric	English	Comments
Zone 1	220 - 230 °C	428 - 446 °F	
Zone 2	230 - 240 °C	446 - 464 °F	
Zone 3	240 - 250 °C	464 - 482 °F	
Melt Temperature	240 - 250 °C	464 - 482 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	
Drying Temperature	75.0 - 85.0 °C	167 - 185 °F	
	@Time 14400 - 21600		

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

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