

Eurostar Staramide PX06093 PA6, Impact Modified, Injection Molded

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

Material Notes:

Staramide PX06093 is an UV Stabilized, Impact Modified Polyamide 6 Injection Molding Resin (also known as P1000HI020UVL) Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Staramide-PX06093-PA6-Impact-Modified-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.019 - 0.021 cm/cm @Thickness 4.00 mm	0.019 - 0.021 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 50.0 MPa	>= 7250 psi	50 mm/min; ISO 527
Tensile Strength, Yield	45.0 MPa	6530 psi	50 mm/min; ISO 527
Flexural Yield Strength	56.0 MPa	8120 psi	2 mm/min; ISO 178
Flexural Modulus	1.50 GPa	218 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	>= 100 kJ/m ²	>= 47.6 ft-lb/in ²	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	240 - 250 °C	464 - 482 °F	
Zone 2	250 - 260 °C	482 - 500 °F	
Zone 3	250 - 260 °C	482 - 500 °F	
Melt Temperature	250 - 260 °C	482 - 500 °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	

Processing Properties

Metric

English

Comments

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