

Eurostar Staramide P1000IX2 PA6, Impact Modified, Injection Molded

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

Material Notes:

Staramide P1000IX2 is an Impact Modified, Polyamide 6 Injection Molding Resin (also known as P1000HI010 or Star X 2010) Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Staramide-P1000IX2-PA6-Impact-Modified-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.014 - 0.016 cm/cm @Thickness 4.00 mm	0.014 - 0.016 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ISO 527
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527
Elongation at Break	80 %	80 %	ISO 527
Flexural Strength	77.0 MPa	11200 psi	ISO 178
Flexural Modulus	2.10 GPa	305 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	13.0 kJ/m ² @Temperature -30.0 °C	6.19 ft-lb/in ² @Temperature -22.0 °F	80x10x4; ISO 180/1A
	15.0 kJ/m ² @Temperature 23.0 °C	7.14 ft-lb/in ² @Temperature 73.4 °F	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	75.0 kJ/m ² @Temperature -30.0 °C	35.7 ft-lb/in ² @Temperature -22.0 °F	80x10x4; ISO 180/1U
	>= 100 kJ/m ² @Temperature 23.0 °C	>= 47.6 ft-lb/in ² @Temperature 73.4 °F	80x10x4; ISO 180/1U
Charpy Impact Unnotched	8.50 J/cm ² @Temperature -30.0 °C	40.4 ft-lb/in ² @Temperature -22.0 °F	Edgew 80x10x4 sp=62; ISO 179/1eU
	>= 10.0 J/cm ² @Temperature 23.0 °C	>= 47.6 ft-lb/in ² @Temperature 73.4 °F	Edgew 80x10x4 sp=62; ISO 179/1eU
	1.30 J/cm ²	6.19 ft-lb/in ²	

Charpy Impact, Notched Mechanical Properties	Metric	English	Comments
	1.70 J/cm ²	8.09 ft-lb/in ²	Edgew 80x10x4 sp=62; ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	@Temperature 23.0 °C	@Temperature 73.4 °F	Edgew 80x10x4 sp=62; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	64.0 °C	147 °F	Edgew 120x10x4, sp=100 mm; ISO 75/Ae

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 sec	@Time 4.00 - 6.00 hour	
Moisture Content	0.20 %	0.20 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China