

Eurostar Staramide AS3 PA66, 15% Glass Bead Reinforced, Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Glass Bead Filled

Material Notes:

Staramide AS3 is a 15% Glass Bead Reinforced Polyamide 66, Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Staramide-AS3-PA66-15-Glass-Bead-Reinforced-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.012 - 0.016 cm/cm	0.012 - 0.016 in/in	on Tensile Bar; E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	5 mm/min; ISO 527
Tensile Strength, Yield	75.0 MPa	10900 psi	5 mm/min; ISO 527
Elongation at Break	4.0 %	4.0 %	5 mm/min; ISO 527
Tensile Modulus	3.70 GPa	537 ksi	1 mm/min; ISO 527
Flexural Yield Strength	125 MPa	18100 psi	2 mm/min; ISO 178
Flexural Modulus	3.20 GPa	464 ksi	2 mm/min; 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)	20.0 kJ/m ²	9.52 ft-lb/in ²	80x10x4; ISO 180/1U
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	Edgew 80x10x4 sp=62; ISO 179/1eU
Charpy Impact, Notched	0.300 J/cm ²	1.43 ft-lb/in ²	Edgew 80x10x4 sp=62; ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	50.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	27.8 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^\circ\text{C}$	@Temperature 73.4 - 140 $^\circ\text{F}$	
CTE, linear, Transverse to Flow	50.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	27.8 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^\circ\text{C}$	@Temperature 73.4 - 140 $^\circ\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	230 $^\circ\text{C}$	446 $^\circ\text{F}$	Edgew 120x10x4, sp=100 mm; ISO 75/Be
Deflection Temperature at 1.8 MPa (264 psi)	85.0 $^\circ\text{C}$	185 $^\circ\text{F}$	Edgew 120x10x4, sp=100 mm; ISO 75/Ae

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	306

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	500 V	500 V	IEC 60112

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 sec	167 - 185 °F @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