

Eurostar Staramide PF005 PA6, 25% Glass Fiber Filled, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Glass Fiber Filled

Material Notes:

Staramide PF005 is an 25% Glass Fiber Reinforced, Polyamide 6 Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Staramide-PF005-PA6-25-Glass-Fiber-Filled-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ISO 1183
Water Absorption at Saturation	6.5 % @Temperature 23.0 °C	6.5 % @Temperature 73.4 °F	ISO 62
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	on Tensile Bar; E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	145 MPa	21000 psi	5 mm/min; ISO 527
Elongation at Break	3.0 %	3.0 %	5 mm/min; ISO 527
Flexural Strength	190 MPa	27600 psi	2 mm/min; ISO 178
Flexural Modulus	7.50 GPa	1090 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	50.0 kJ/m ²	23.8 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Hot Ball Pressure Test	123 - 127 °C	253 - 261 °F	IEC 60695-10-2
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	Edgew 120x10x4, sp=100 mm; ISO 75/Be
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	Edgew 120x10x4, sp=100 mm; ISO 75/Ae

Processing Properties	Metric	English	Comments
Zone 1	230 - 240 °C	446 - 464 °F	
Zone 2	240 - 250 °C	464 - 482 °F	
Zone 3	240 - 270 °C	464 - 518 °F	
Melt Temperature	240 - 270 °C	464 - 518 °F	

Mold Temperature Processing Properties	60.0 - 80.0 °C Metric	140 - 176 °F English	Comments
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