

Eurostar Starpylen HU 30BF4 PP, 30% Bamboo Fiber Filled, Injection Molding

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Wood Filled

Material Notes:

Starpylen HU30BF4 is a 30% Bamboo Fiber Reinforced Polypropylene Injection Molding Resin (also known as HU30BF4) (PRELIMINARY DATASHEET) Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Starpylen-HU-30BF4-PP-30-Bamboo-Fiber-Filled-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0050 - 0.010 cm/cm @Thickness 4.00 mm	0.0050 - 0.010 in/in @Thickness 0.157 in	E2P method
Melt Flow	6.7 g/10 min @Load 2.16 kg, Temperature 230 °C	6.7 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	ISO 527
Elongation at Yield	2.6 %	2.6 %	ISO 527
Flexural Strength	59.0 MPa	8560 psi	ISO 178
Flexural Modulus	3.00 GPa	435 ksi	ISO 178
Izod Impact, Notched (ISO)	3.60 kJ/m ²	1.71 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	14.0 kJ/m ²	6.66 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	86.0 °C	187 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af

Processing Properties	Metric	English	Comments
Zone 1	185 - 195 °C	365 - 383 °F	
Zone 2	185 - 195 °C	365 - 383 °F	
Zone 3	185 - 195 °C	365 - 383 °F	
Melt Temperature	185 - 195 °C	365 - 383 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	

Processing Properties	Metric	English	Comments
Drying Temperature	@Time 10800 sec	@Time 3.00 hour	

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