

Starpylen HU 30BF4

Polypropylene
Eurostar Engineering Plastics

Message:
Starpylen HU30BF4 is a 30% Bamboo Fiber Reinforced Polypropylene Injection Molding Resin (also known as HU30BF4). (PRELIMINARY DATASHEET)

General Information			
Filler / Reinforcement	Bamboo Fiber,30% Filler by Weight		
Features	Renewable Resource Content		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.7	g/10 min	ISO 1133
Molding Shrinkage - Flow (4.00 mm)	0.50 to 1.0	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	40.0	MPa	ISO 527-2
Tensile Strain (Break)	2.6	%	ISO 527-2
Flexural Modulus	3000	MPa	ISO 178
Flexural Stress	59.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	3.6	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	14	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	86.0	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	3.0	hr	
Rear Temperature	185 to 195	°C	
Middle Temperature	185 to 195	°C	
Front Temperature	185 to 195	°C	
Processing (Melt) Temp	185 to 195	°C	
Mold Temperature	30.0 to 50.0	°C	
NOTE			
1.	80*10*4		
2.	80*10*4		
3.	80*10*4		

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Recommended distributors for this material

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