

Starpylen MB006SU

Polypropylene
Eurostar Engineering Plastics

Message:
Starpylen MB006SU is a Glass Bead Reinforced Polypropylene Injection Molding Resin

General Information			
Filler / Reinforcement	Glass Bead		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	1.9	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2100	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	25.0	MPa	
Break	22.0	MPa	
Tensile Strain (Yield)	4.8	%	ISO 527-2/50
Flexural Stress	42.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	3.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	15	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³			
0.45 MPa, Unannealed, 64.0 mm Span	107	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	66.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.0E-4	cm/cm/°C	
Transverse : 23 to 60°C	1.1E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	3.0	hr	
Rear Temperature	195 to 205	°C	
Middle Temperature	215 to 225	°C	
Front Temperature	225 to 250	°C	
Processing (Melt) Temp	225 to 250	°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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

