

Starpylen MX06023

Polypropylene
Eurostar Engineering Plastics

Message:

Starpylen MX06023 is a 20 % Milled Glass Fiber Reinforced Polypropylene Injection Molding Resin

General Information			
Filler / Reinforcement	Milled Glass Fiber,20% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.60 to 1.2	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2/1
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/5
Tensile Strain (Break)	> 20	%	ISO 527-2/5
Flexural Modulus ²	2300	MPa	ISO 178
Flexural Stress	35.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ³ (23°C)	20	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength ⁴ (23°C)	70	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength ⁵ (23°C)	20	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁶ (23°C)	65	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁷			
0.45 MPa, Unannealed, 100 mm Span	105	°C	ISO 75-2/Be
1.8 MPa, Unannealed, 100 mm Span	70.0	°C	ISO 75-2/Ae
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.	Tensile Bar		
2.	2.0 mm/min		

3.	80*10*4 sp=62mm
4.	80*10*4 sp=62mm
5.	80*10*4
6.	80*10*4
7.	120*10*4

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