

Starpylen M1000-BK1A987

Polypropylene
Eurostar Engineering Plastics

Message:
Starpylen M1000-BK1A987 is a high carbon black loaded PP resin.

General Information			
Additive	Carbon Black		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	6.0 to 12	g/10 min	ISO 1133
Molding Shrinkage - Flow (3.00 mm)	1.5 to 2.0	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	35.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	54.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength ¹ (23°C)	9.0	kJ/m ²	ISO 179/1eU
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, 100 mm Span)	75.0	°C	ISO 75-2/Ae
Melting Temperature (DSC)	165	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	3.0	hr	
Rear Temperature	220 to 230	°C	
Middle Temperature	220 to 230	°C	
Front Temperature	220 to 230	°C	
Processing (Melt) Temp	220 to 230	°C	
Mold Temperature	30.0 to 50.0	°C	
NOTE			
1.	80*10*4		
2.	80*10*4		
3.	120*10*4		

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Recommended distributors for this material

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