

Starpylen MH0200A

Polypropylene
Eurostar Engineering Plastics

Message:
Starpylen MH0200A is a High Density Polypropylene Injection Molding Resin

General Information			
Features	High Density		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.91	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.80 to 1.0	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2/1
Tensile Stress (Break)	18.0	MPa	ISO 527-2/5
Tensile Strain (Break)	25	%	ISO 527-2/5
Flexural Modulus ²	3000	MPa	ISO 178
Flexural Stress	33.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	3.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	64.0	°C	ISO 75-2/Af
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		
4.	80*10*4		
5.	80*10*4		

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