

Starpylen HZ 50E3

Polypropylene
Eurostar Engineering Plastics

Message:

PRELIMINARY- Starpylen HZ 50E3 is a High Specific Gravity Polypropylene (density 1.5) , Injection Molding Resin (also known as HZ50E3)

General Information			
Features	High Specific Gravity		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	24.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	22.0	MPa	ISO 527-2
Tensile Strain (Break)	27	%	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress	36.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	2.9	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	28	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	61.0	°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.	80*10*4		
2.	80*10*4		
3.	80*10*4		

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