

Starpylen HW 30K ECR-BK

Polypropylene
Eurostar Engineering Plastics

Message:
Starpylen HW 30K ECR-BK is a reinforced Polypropylene with a low carbon footprint spherical filler, Injection Molding Resin (also known as HW30KECR)

General Information			
Filler / Reinforcement	Glass Bead		
Features	Renewable Resource Content		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	8.70	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (4.00 mm)	2.2 to 2.4	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Flexural Modulus	1900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	2.8	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	21	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	56.0	°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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Recommended distributors for this material

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



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