

Starpylen MCR13S

Polypropylene
Eurostar Engineering Plastics

Message:
Starpylen MCR13S is a 15 % Carbon Fiber Reinforced Polypropylene Injection Molding Resin

General Information			
Filler / Reinforcement	Carbon Fiber,15% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	0.20 to 0.50	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	48.0	MPa	ISO 527-2/5
Tensile Strain (Break)	1.0	%	ISO 527-2/5
Flexural Modulus ¹	6300	MPa	ISO 178
Flexural Stress	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength ² (23°C)	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	131	°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.	2.0 mm/min		
2.	80*10*4		
3.	80*10*4		

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