

Starpylen MFB44S

Polypropylene
Eurostar Engineering Plastics

Message:

Starpylen MFB44S is a glass Beads, Glass Fiber Reinforced, Polypropylene Injection Molding Resin heat stabilised(also known as Starpylen WS 2020VK S37.7)

General Information			
Filler / Reinforcement	Glass Bead\Glass Fiber		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	3.00 to 10.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (4.00 mm)	0.20 to 0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5600	MPa	ISO 527-2/1
Tensile Stress (Break)	50.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	1.5	%	ISO 527-2/5
Flexural Modulus ¹	4200	MPa	ISO 178
Flexural Stress ²			ISO 178
-- ³	74.0	MPa	
-- ⁴	65.0	MPa	
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength ⁵ (23°C)	15	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁶ (1.8 MPa, Unannealed, 64.0 mm Span)	125	°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.	2.0 mm/min
3.	Yield
4.	Break
5.	80*10*4
6.	80*10*4

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