

Starpylen MZ006S

Polypropylene
Eurostar Engineering Plastics

Message:

Starpylen MZ006S is a Glass Fiber Reinforced, Polypropylene Injection Molding Resin heat stabilised (also known as Starpylen WT 30GF S3)

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	5.00 to 10.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (4.00 mm)	0.30 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4200	MPa	ISO 527-2/1
Tensile Stress (Break)	35.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	5.0 to 7.0	%	ISO 527-2/5
Flexural Modulus ¹	3000	MPa	ISO 178
Flexural Stress ²			ISO 178
-- ³	45.0	MPa	
-- ⁴	65.0	MPa	
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength ⁵ (23°C)	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁶			
0.45 MPa, Unannealed, 64.0 mm Span	136	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	86.0	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
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	40.0 to 70.0	°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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