

MAGNUM™ 720GS

ABS Resin

Trinseo

Message:

Magnum 720GS is a 20% glass fiber reinforced ABS resin. It is designed with high rigidity and good dimensional stability.

Applications:

Automotive interior parts

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Dimensional Stability		
	High Rigidity		
Uses	Automotive Applications		
	Automotive Interior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (3.20 mm, Injection Molded)	4220	MPa	ASTM D638
Tensile Strength (Yield, 3.20 mm, Injection Molded)	73.8	MPa	ASTM D638
Flexural Modulus ¹ (3.20 mm, Injection Molded)	4540	MPa	ASTM D790
Flexural Strength ² (3.20 mm, Injection Molded)	101	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	98.9	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating ³ (25.4 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	180 to 190	°C	

Middle Temperature	190 to 220	°C
Front Temperature	190 to 220	°C
Nozzle Temperature	200 to 230	°C
Mold Temperature	60.0 to 80.0	°C

NOTE		
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1.	Method I (3 point load)
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3.	This rating not intended to reflect hazards presented by this or any other material under actual fire conditions.

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Recommended distributors for this material

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