

# CELEX™ 720GS

ABS Resin

Trinseo

## Message:

CELEX 720GS is a 20% glass fiber reinforced ABS resin. It is designed with high rigidity and good dimensional stability. CELEX 720GS is designed for use in computer cooling fan, fax machine chassis, monitor base and air-conditioner parts.

General Information			
UL YellowCard	E132010-222030		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Dimensional Stability		
	High Rigidity		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	2.5	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)	74.0	MPa	ASTM D638
Flexural Modulus (3.20 mm, Injection Molded)	4540	MPa	ASTM D790
Flexural Strength (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, 3.20 mm, Injection Molded)	99.0	°C	ASTM D648
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	

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Recommended distributors for this material

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