

# HiPrene® HSG42

Polypropylene

GS Caltex

## Message:

HiPrene® HSG42 is 20% short glass fibre reinforced polypropylene compound. This grade has very good mechanical and thermal properties. It is suitable for many different applications in Automotive and Home appliance industry where it is necessary to have high stiffness.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	High Heat Resistance		
	High Stiffness		
Uses	Appliance Components		
	Automotive Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02 to 1.06	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) <sup>1</sup>	3.0 to 7.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	70.0	MPa	ISO 527-2/1A/50
Flexural Modulus	3900	MPa	ISO 178/B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	10	kJ/m <sup>2</sup>	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	160	°C	ISO 75-2/A
NOTE			
1.	Procedure A		

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## Recommended distributors for this material

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