

HiPrene® HT42

Polypropylene

GS Caltex

Message:

HiPrene® HT42 is a medium melt flow, 20% mineral filled polypropylene compound. This material is high stiffness and it is primarily designed for Home Appliance Parts but is suitable for other parts in automotive industry.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	High Heat Resistance		
	High Stiffness		
Uses	Appliance Components		
	Automotive Applications		
	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03 to 1.07	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) ¹	9.0 to 15	g/10 min	ISO 1133
Ash Content (600°C)	18 to 22	%	ISO 3451-1A
Volatile Matter	0.15	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	34.0	MPa	ISO 527-2/1A/50
Nominal Tensile Strain at Break	15	%	ISO 527-2/1A/50
Flexural Modulus	2700	MPa	ISO 178/B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	30	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	140	°C	ISO 75-2/A
NOTE			
1.	Procedure A		

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Recommended distributors for this material

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