

HiPrene® HLG73BBE

Polypropylene

GS Caltex

Message:

HiPrene® HLG73BBE is polypropylene with 30% long glass fibers-blended type with impact copolymer. This material combines excellent strength and stiffness with perfect impact resistance at low temperatures also. This grade is available in black color.

General Information			
Filler / Reinforcement	Long Glass Fiber,30% Filler by Weight		
Features	Good Impact Resistance		
	High Stiffness		
	High Strength		
	Low Temperature Impact Resistance		
Uses	Automotive Applications		
	Industrial Applications		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Ash Content (600°C)	30	%	ISO 3451
Volatile Matter	0.12	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	95.0	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus ¹ (23°C)	5200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	24	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	156	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Rear Temperature	220 to 230	°C	
Middle Temperature	230 to 240	°C	
Front Temperature	240 to 250	°C	

Nozzle Temperature	240 to 250	°C
Processing (Melt) Temp	230 to 270	°C
Mold Temperature	30.0 to 75.0	°C
Injection Pressure	55.0 to 120	MPa
Injection Rate	Slow	
Holding Pressure	40.0 to 80.0	MPa
Back Pressure	0.00 to 3.00	MPa

NOTE

1. 2.0 mm/min

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Recommended distributors for this material

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