

Hostacom HBG H02 BLACK

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Hostacom HBG H02 BLACK is a 20% glass fiber reinforced PP homopolymer, with very low melt flow, low creep under load at elevated temperatures, excellent hot water resistance and high dimensional stability. Please contact Basell for shrinkage recommendations. This grade is delivered in BLACK color version. Dry material before processing.

This grade is not intended for medical, pharmaceutical, food, drinking water and all applications not listed in the supported list. For more information please contact our sales representatives.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Good dimensional stability		
	Homopolymer		
	Good creep resistance		
	Low liquidity		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.04	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	0.87	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	0.600	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4500	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	65.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	4.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	112	°C	ISO 75-2/A
Vicat Softening Temperature	120	°C	ISO 306/B

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