

Hostacom HBG H01

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Hostacom HBG H01 is a 10% glass fiber reinforced PP homopolymer, with low flowability and high LTSH (long term heat stability). Please contact Lyondellbasell for shrinkage recommendations.

This grade is not intended for medical, pharmaceutical, food and drinking water applications.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Homopolymer		
	Good heat aging resistance		
	Low liquidity		
Uses	Blow molding applications		
	Water tank		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.980	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	2.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	2.50	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2600	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	8.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	5.5	kJ/m ²	ISO 179/1eA
23°C	9.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	47	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	140	°C	ISO 75-2/B
1.8 MPa, not annealed	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	110	°C	ISO 306/B

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