



## Hostacom HBG H01

### Compounded Polyolefin

#### Product Description

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

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

#### Product Characteristics

Status	Commercial
Processing Method	Blow molding
Features	Flowability, LTHS (long term heat stability). Allow a continuous service at high temperature.
Typical Customer Applications	Used for expansion tanks.

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt Flow Rate (230 °C, 5 kg)	ISO 1133	2	g/10 min
Melt Volume Rate (230 °C, 5 kg)	ISO 1133	2.5	cm <sup>3</sup> /10 min
Density (23 °C)	ISO 1183-1/A	0.98	g/cm <sup>3</sup>
<b>Mechanical</b>			
Tensile Modulus (23 °C)	ISO 527-1, -2	2600	MPa
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	50	MPa
Tens.Strain at Break	ISO 527-1, -2	8	%
<b>Impact</b>			
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	47	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	9.5	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (0 °C)	ISO 179-1/1eA	5.5	kJ/m <sup>2</sup>
<b>Thermal</b>			
Vicat Softening Temperature B (50 N)	ISO 306	110	°C
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	90	°C
Heat Deflection Temperature B (0.45 MPa)	ISO 75-1, -2	140	°C

#### Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light.
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing.

