

Hostacom HBG H01 BLACK

Compounded Polyolefin

Product Description

Hostacom HBG H01 BLACK is a 10% glass fiber reinforced PP homopolymer, with low flowability and high LTHS (long term heat stability). The product is also available in black color, pellet form.

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

Product Characteristics

Status	Commercial
Processing Method	Injection molding
Features	Flowability, LTHS (long term heat stability).
Typical Customer Applications	Used for expansion tanks.

Typical Properties	Method	Value	Unit
Physical			
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 ³ /10 min
Density (23 °C)	ISO 1183-1/A	0.98	g/cm ³
Mechanical			
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	%
Impact			
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	47	kJ/m ²
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	9.5	kJ/m ²
Thermal			
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.

