



## Hostacom HBG 493R BLACK

Compounded Polyolefin

IMDS Number:

22295934

### Product Description

Hostacom HBG 493R BLACK is a 40% glass fiber reinforced PP homopolymer, with low flowability, good LTHS (long term heat stability), very good stiffness and high strength. During the production process an enlarged testing plan is used because of the customer application "pedal support". The product is available in black color, pellet form.

*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.*

### Product Characteristics

**Status** Commercial

**Processing Method** Injection molding

**Features** Flowability, LTHS (long term heat stability), stiffness, strength.

**Typical Customer Applications** Used for automotive under-the-hood.

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16 kg)	ISO 1133	3	g/10 min
Density (23 °C)	ISO 1183-1/A	1.21	g/cm <sup>3</sup>
<b>Mechanical</b>			
Tensile Modulus (23 °C)	ISO 527-1, -2	9000	MPa
Flexural Modulus (23 °C) Tech. A	ISO 178/A1	8700	MPa
Tensile Strength (23 °C)	ISO 527-1, -2	110	MPa
Flexural Strength (23 °C) Tech. A	ISO 178/A1	153	MPa
<b>Impact</b>			
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	50	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	11	kJ/m <sup>2</sup>
<b>Thermal</b>			
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	160	°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.

