

Hostacom HBG 478R BLACK

Compounded Polyolefin

Product Description

Hostacom HBG 478R BLACK is a 30% glass fiber reinforced PP homopolymer, with high stiffness and low flowability. The product is also available in black color, pellet form. Please contact Basell for shrinkage recommendations.

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

Product Characteristics

Status	Commercial
Processing Method	Injection molding
Features	Stiffness.
Typical Customer Applications	Used for automotive under-the-hood.

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230 °C, 5 kg)	ISO 1133	5	g/10 min
Melt Volume Rate (230 °C, 5 kg)	ISO 1133	5	cm ³ /10 min
Density (23 °C)	ISO 1183-1/A	1.13	g/cm ³
Mechanical			
Tensile Modulus (23 °C)	ISO 527-1, -2	6500	MPa
Flexural Modulus (23 °C) Tech. A	ISO 178/A1	5800	MPa
Tensile Stress at Break (23 °C)	ISO 527-1, -2	85	MPa
Tens. Strain at Break	ISO 527-1, -2	3	%
Impact			
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	43	kJ/m ²
Charpy Impact Strength, unnotched (0 °C)	ISO 179-1/1eU	40	kJ/m ²
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	9	kJ/m ²
Charpy Impact Strength, notched (-20 °C)	ISO 179-1/1eA	7	kJ/m ²
Thermal			
Vicat Softening Temperature B (50 N)	ISO 306	130	°C
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	135	°C
Heat Deflection Temperature B (0.45 MPa)	ISO 75-1, -2	155	°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.

