

Technical Data Sheet

Hostacom HBG 478R BLACK

Polypropylene Compounds

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. During the production process an enlarged testing plan is used because of the customer application "pedal support". Please contact Basell for shrinkage recommendations. This grade is delivered in BLACK color version.

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

Application	Automotive Parts
Processing Method	Injection Molding
Attribute	High Stiffness; Low Flow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/5.0 kg)	5	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/5.0 kg)	5	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.13	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	6000	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	6200	MPa	ISO 527-1, -2
Tensile Stress at Break, (23 °C)	85	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	4	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	11	kJ/m ²	ISO 179-1/1eA
(-20 °C)	7	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched			
(23 °C)	45	kJ/m ²	ISO 179-1/1eU
(0 °C)	40	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	130	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	155	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	135	°C	ISO 75A-1, -2