

Hostacom HBG 478R BLACK

Polypropylene Homopolymer

LyondellBasell Industries

Message:

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.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Rigidity, high		
	Homopolymer		
	Low liquidity		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.13	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	5.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	5.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	6500	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	85.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus ¹ (23°C)	5800	MPa	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	7.0	kJ/m ²	ISO 179/1eA
23°C	9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
0°C	40	kJ/m ²	ISO 179/1eU
23°C	43	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	155	°C	ISO 75-2/B
1.8 MPa, not annealed	135	°C	ISO 75-2/A

Vicat Softening Temperature	130	°C	ISO 306/B
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NOTE

1.	1.0 mm/min
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Recommended distributors for this material
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