

Hostacom HBG 479R BLACK

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Hostacom HBG 479R BLACK is a 30% glass fiber reinforced PP homopolymer, with low flowability, very good LTHS (long term heat stability) and high rigidity. During the production process an enlarged testing plan is used because of the customer application "pedal support". Please contact Basell for shrinkage recommendations. The product is available in black color, pellet form.

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 | | |
| | Rigid, good | | |
| | Homopolymer | | |
| | Good heat aging resistance | | |
| | 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/2.16 kg) | 3.8 | g/10 min | ISO 1133 |
| Melt Volume-Flow Rate (MVR) | | | ISO 1133 |
| 230°C/2.16 kg | 4.00 | cm ³ /10min | ISO 1133 |
| 230°C/5.0 kg | 16.5 | cm ³ /10min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (23°C) | 6800 | MPa | ISO 527-2 |
| Tensile Stress (Yield, 23°C) | 100 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 3.0 | % | ISO 527-2 |
| Flexural Modulus ¹ (23°C) | 7000 | MPa | ISO 178/A |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | | | ISO 179/1eA |
| -30°C | 9.0 | kJ/m ² | ISO 179/1eA |
| -20°C | 10 | kJ/m ² | ISO 179/1eA |
| 23°C | 12 | kJ/m ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength | | | ISO 179/1eU |

| 0°C | 52 | kJ/m ² | ISO 179/1eU |
|---|---------------|-------------------|-------------|
| 23°C | 54 | kJ/m ² | ISO 179/1eU |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 150 | °C | ISO 75-2/A |
| Vicat Softening Temperature | 135 | °C | ISO 306/B |
| NOTE | | | |

1. 1.0 mm/min

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