

Technical Data Sheet

Hostacom HBG 479R BLACK



Polypropylene Compounds

Product Description

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.

| | |
|--------------------------|-------------------------|
| Application | Automotive Parts |
| Market | Automotive |
| Processing Method | Injection Molding |
| Attribute | High Rigidity; Low Flow |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 3.8 | g/10 min | ISO 1133-1 |
| Melt Volume Flow Rate, (230 °C/2.16 kg) | 4 | 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) | 7000 | MPa | ISO 178/A1 |
| Tensile Modulus, (23 °C) | 6800 | MPa | ISO 527-1, -2 |
| Tensile Stress at Yield, (23 °C) | 100 | MPa | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C) | 3 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 12 | kJ/m ² | ISO 179-1/1eA |
| (-20 °C) | 10 | kJ/m ² | ISO 179-1/1eA |
| (-30 °C) | 9 | kJ/m ² | ISO 179-1/1eA |
| Charpy Impact Strength - Unnotched | | | |
| (23 °C) | 54 | kJ/m ² | ISO 179-1/1eU |
| (0 °C) | 52 | kJ/m ² | ISO 179-1/1eU |
| Thermal | | | |
| Vicat Softening Temperature, (B50) | 135 | °C | ISO 306 |
| Deflection Temperature Under Load, (1.80 MPa, Unannealed) | 150 | °C | ISO 75A-1, -2 |