



Hostacom G3 R05 105555

Compounded Polyolefin

Product Description

Hostacom G3 R05 105555 is a 30% glass fiber reinforced PP homopolymer, with excellent stiffness, good dimensional stability and low creep under load at elevated temperatures. The product is available in black color, pellet form. This grade is delivered in 105555 color version.

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

Product Characteristics

| | |
|-------------------------------|--|
| Status | Commercial |
| Availability | Europe (1) |
| Processing Method | Injection molding |
| Features | Stiffness, dimensional stability, creep under load at elevated temperatures. |
| Typical Customer Applications | Used for structural parts. |

| Typical Properties | Method | Value | Unit |
|---|---------------|-------|-------------------------|
| Physical | | | |
| Melt Flow Rate (230 °C, 2.16 kg) | ISO 1133 | 4 | g/10 min |
| Melt Volume Rate (230 °C, 2.16 kg) | ISO 1133 | 4 | cm ³ /10 min |
| Density (23 °C) | ISO 1183-1/A | 1.14 | g/cm ³ |
| Mechanical | | | |
| Tensile Modulus (23 °C) | ISO 527-1, -2 | 7200 | MPa |
| Tensile Stress at Break (23 °C) | ISO 527-1, -2 | 100 | MPa |
| Tens.Strain at Break | ISO 527-1, -2 | 3 | % |
| Flexural Modulus (23 °C) Tech. A | ISO 178/A1 | 7000 | MPa |
| Flexural Strength (23 °C) Tech. A | ISO 178/A1 | 140 | MPa |
| Impact | | | |
| Charpy Impact Strength, unnotched (23 °C) | ISO 179-1/1eU | 50 | kJ/m ² |
| Charpy Impact Strength, notched (23 °C) | ISO 179-1/1eA | 11 | kJ/m ² |
| Charpy Impact Strength, notched (-30 °C) | ISO 179-1/1eA | 8 | kJ/m ² |
| Thermal | | | |
| Vicat Softening Temperature B (50 N) | ISO 306 | 138 | °C |
| Heat Deflection Temperature A (1.8 MPa) | ISO 75-1, -2 | 150 | °C |
| Heat Deflection Temperature B (0.45 MPa) | ISO 75-1, -2 | 160 | °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.

Notes

Typical properties; not to be construed as specifications.

(1) : Here is indicated the region where the material is produced. For importation or demand of a local equivalent grade, please contact our Sales Representatives.