



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 affect 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.