

## Hostacom G3 N01 102297

### Compounded Polyolefin

#### Product Description

Hostacom G3 N01 102297 is a 30% glass fiber reinforced PP copolymer, with low flowability, high stiffness, low CLTE (Coefficient of Linear Thermal Expansion) and low creep under load at elevated temperatures. The product is available in black color, pellet form. This grade is delivered in 102297 color version.

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

#### Product Characteristics

<b>Status</b>	Commercial
<b>Processing Method</b>	Injection molding
<b>Features</b>	Low creep under load at elevated temperatures, stiffness.
<b>Typical Customer Applications</b>	Used for automotive under-the-hood, as well as structural parts.

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt Flow Rate (230 °C, 5 kg)	ISO 1133	4.5	g/10 min
Melt Volume Rate (230 °C, 5 kg)	ISO 1133	5	cm <sup>3</sup> /10 min
Density (23 °C)	ISO 1183-1/A	1.13	g/cm <sup>3</sup>
<b>Mechanical</b>			
Tensile Modulus (23 °C)	ISO 527-1, -2	6500	MPa
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	88	MPa
Tens.Strain at Break	ISO 527-1, -2	3.2	%
<b>Impact</b>			
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	42	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	10	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (-30 °C)	ISO 179-1/1eA	6.5	kJ/m <sup>2</sup>
<b>Thermal</b>			
Vicat Softening Temperature B (50 N)	ISO 306	135	°C
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	143	°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.

