

Hostacom G3 U01 102297

Compounded Polyolefin

IMDS Number:

19803050

Product Description

Hostacom G3 U01 102297 is a 30% glass fiber reinforced PP copolymer, with high melt flow rate, high stiffness 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.

Product Characteristics

Status Commercial

Processing Method Injection molding

Features Stiffness. Allow a continuous service at high temperature.

Typical Customer Applications Used for automotive under-the-hood, as well as structural parts.

Typical Properties

	Method	Value	Unit
Physical			
Melt Flow Rate (230 °C, 2.16 kg)	ISO 1133	14	g/10 min
Melt Volume Rate (230 °C, 2.16 kg)	ISO 1133	15	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	6500	MPa
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	85	MPa
Tensile Strain at Yield (23 °C)	ISO 527-1, -2	3	%
Impact			
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	45	kJ/m ²
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	10	kJ/m ²
Charpy Impact Strength, notched (-30 °C)	ISO 179-1/1eA	7	kJ/m ²
Thermal			
Vicat Softening Temperature B (50 N)	ISO 306	130	°C
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	140	°C
Heat Deflection Temperature B (0.45 MPa)	ISO 75-1, -2	155	°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.

