

## Hostacom HKG 247T BLACK

### Compounded Polyolefin

#### Product Description

Hostacom HKG 247T BLACK is a 40% glass fiber reinforced PP homopolymer, with very high stiffness, low melt flow rate, low creep under load at elevated temperatures and very high thermal resistance. The product is available in black color, pellet form.

*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>	Stiffness, melt flow rate, low creep under load at elevated temperatures, thermal resistance. Allow a continuous service at high temperature.
<b>Typical Customer Applications</b>	Used for automotive under-the-hood and structural parts.

Typical Properties	Method	Value	Unit
<b>Physical</b>			
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 <sup>3</sup> /10 min
Density (23 °C)	ISO 1183-1/A	1.22	g/cm <sup>3</sup>
<b>Mechanical</b>			
Tensile Modulus (23 °C)	ISO 527-1, -2	9000	MPa
Tensile Stress at Break (23 °C)	ISO 527-1, -2	108	MPa
Tens.Strain at Break	ISO 527-1, -2	2.5	%
Flexural Modulus (23 °C) Tech. A	ISO 178/A1	9000	MPa
<b>Impact</b>			
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	45	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	11	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (-30 °C)	ISO 179-1/1eA	10	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (0 °C)	ISO 179-1/1eA	10	kJ/m <sup>2</sup>
<b>Thermal</b>			
Vicat Softening Temperature B (50 N)	ISO 306	142	°C
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	150	°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.

