



## Hostacom HBG 429D G82766

### Compounded Polyolefin

#### Product Description

Hostacom HBG 429D G82766 is a 20% glass fiber reinforced PP homopolymer, with high strength, good hot water resistance and low creep under load at elevated temperatures. Product is available as a customized color matched, pellet form. This grade is delivered in G82766 color version.

*This grade is not intended for medical, pharmaceutical, food, drinking water and all applications not listed in the supported list. For more information please contact our sales representatives.*

#### Product Characteristics

<b>Status</b>	Commercial	
<b>Availability</b>	Europe	(1)
<b>Processing Method</b>	Injection molding	
<b>Features</b>	Strength, hot water resistance, LTHA (long-term heat aging) value and creep under load at elevated temperatures.	
<b>Typical Customer Applications</b>	Used for applications that require excellent resistance to hot water and mechanical load. Available in grey RAL7047.	

#### Typical Properties

	Method	Value	Unit
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16 kg)	ISO 1133	5	g/10 min
Density (23 °C)	ISO 1183-1/A	1.05	g/cm <sup>3</sup>
Melt Volume Rate (230 °C, 2.16 kg)	ISO 1133	6	cm <sup>3</sup> /10 min
<b>Mechanical</b>			
Flexural Modulus (23 °C) Tech. A	ISO 178/A1	4000	MPa
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	75	MPa
Tensile Modulus (23 °C)	ISO 527-1, -2	4700	MPa
Tens.Strain at Break	ISO 527-1, -2	4.5	%
Flexural Strength (23 °C) Tech. A	ISO 178/A1	105	MPa
<b>Impact</b>			
Charpy Impact Strength, unnotched (0 °C)	ISO 179-1/1eU	6	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (0 °C)	ISO 179-1/1eA	6	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	8	kJ/m <sup>2</sup>
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	40	kJ/m <sup>2</sup>
<b>Thermal</b>			
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	130	°C
Vicat Softening Temperature B (50 N)	ISO 306	130	°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.