



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

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

Typical Properties	Method	Value	Unit
Physical			
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 ³
Melt Volume Rate (230 °C, 2.16 kg)	ISO 1133	6	cm ³ /10 min
Mechanical			
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
Impact			
Charpy Impact Strength, unnotched (0 °C)	ISO 179-1/1eU	6	kJ/m ²
Charpy Impact Strength, notched (0 °C)	ISO 179-1/1eA	6	kJ/m ²
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	8	kJ/m ²
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	40	kJ/m ²
Thermal			
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.

