



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
Availability	Europe ⁽¹⁾
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.

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.

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LyondellBasell markets this product through the following entities:

- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit <http://www.lyondellbasell.com/>.

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This product(s) may not be used in:

(i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I Medical Devices, without prior notification to Seller for each specific product and application; or

(ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: (1) U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices; (2) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices; (3) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; (4) tobacco related products and applications; (5) electronic cigarettes and similar devices; and (6) pressure pipe or fittings that are considered a part or component of a nuclear reactor.

(iii) Additionally, the product(s) may not be used in: (1) U.S. FDA Class III, Health Canada Class IV, and/or European Class III Medical Devices; (2) applications involving permanent implantation into the body; (3) life-sustaining medical applications; and (4) lead, asbestos or MTBE related applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

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