



Hostacom HBG H01 NAT

Compounded Polyolefin

Product Description

"Hostacom" HBG H01 NAT is a 10% glass fiber coupled PP homopolymer with low flow esp. for blow moulding applications. It is optimized for applications requiring a high level of long term heat stability. Excellent hydrolysis resistance without decrease of the mechanical properties in case of long term hot water exposure. It is not intended for medical, pharmaceutical or drinking water applications.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe
Features	Low Flow , Homopolymer, Medium Transparency, Weldable
Typical Customer Applications	Under-the-Hood & Structural Applications

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	0.98 g/cm³
Melt volume flow rate (230°C/5.0kg)	ISO 1133	2 cm³/10min
Mechanical		
Tensile Modulus (Secant)	ISO 527-1, -2	2800 MPa
Tensile Stress at Yield (52 mm/min)	ISO 527-1, -2	50 MPa
Tensile Strain at Break (23 °C)	ISO 527-1, -2	7 %
Tensile Strain at Yield (50 mm/min mm/min)	ISO 527-1, -2	5.5 %
Flexural modulus (23°C)	ISO 178	2500 MPa
Impact		
Charpy unnotched impact strength (0 °C)	ISO 179	40 kJ/m²
(23 °C, Type 1, Edgewise)		45 kJ/m²
Charpy notched impact strength (0 °C, Type 1, Notch A, Complete Break)	ISO 179	4.5 kJ/m²
(23 °C, Type 1, Edgewise, Notch A)		8 kJ/m²
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	140 °C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	92 °C
Vicat softening temperature (B50 (50°C/h 50N))	ISO 306	110 °C

Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

- 1 Equistar Chemicals, LP
- 1 Basell Sales & Marketing Company B.V.
- 1 Basell Asia Pacific Limited
- 1 Basell International Trading FZE
- 1 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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regulatory classification.

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

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