

Hostacom HBG H01 NAT

Polypropylene Homopolymer

LyondellBasell Industries

Message:

"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.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Chemically Coupled		
	Homopolymer		
	Hydrolysis Resistant		
	Low Flow		
	Medium Clarity		
Uses	Weldable		
	Automotive Applications		
	Automotive Under the Hood		
	Blow Molding Applications		
Appearance	Natural Color		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.978	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	2.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	2800	MPa	ISO 527-2
Tensile Stress (Yield)	50.0	MPa	ISO 527-2/52
Tensile Strain			
Yield	5.5	%	ISO 527-2/50
Break, 23°C	7.0	%	ISO 527-2
Flexural Modulus (23°C)	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			
0°C, Complete Break	4.5	kJ/m ²	ISO 179/1A
23°C	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			
0°C	40	kJ/m ²	ISO 179
23°C	45	kJ/m ²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	92.0	°C	ISO 75-2/A
Vicat Softening Temperature	110	°C	ISO 306/B50

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

