

Hostacom HBG 429D G82766

Polypropylene Homopolymer

LyondellBasell Industries

Message:

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.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	High strength		
	Homopolymer		
	Good creep resistance		
	Good heat aging resistance		
Appearance	Grey		
	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.05	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	6.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4700	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	75.0	MPa	ISO 527-2
Tensile Strain (Break)	4.5	%	ISO 527-2
Flexural Modulus ¹ (23°C)	4000	MPa	ISO 178/A
Flexural Stress ² (23°C)	105	MPa	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	6.0	kJ/m ²	ISO 179/1eA
23°C	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
0°C	6.0	kJ/m ²	ISO 179/1eU
23°C	40	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	130	°C	ISO 75-2/A
Vicat Softening Temperature	130	°C	ISO 306/B
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		

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Recommended distributors for this material

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