

Hostacom G3 N01 102297

Polypropylene Homopolymer

LyondellBasell Industries

Message:

30% glass coupled PP- homopolymer. Low flow, high stiffness and low CLTE. Low creep under load at elevated temperatures. The product is designed for injection molding of structural parts and is available in a black not specified color. It is not intended for medical, pharmaceutical or drinking water applications.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Creep Resistance		
	Good Stiffness		
	Homopolymer		
	Low Flow		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Structural Parts		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR)			ISO 1133
230°C/2.16 kg	1.00	cm ³ /10min	
230°C/5.0 kg	3.00	cm ³ /10min	
Molding Shrinkage	0.25 to 1.1	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	110	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	6500	MPa	ISO 527-2
Tensile Stress (Break)	85.0	MPa	ISO 527-2/50
Tensile Strain (Break)	3.0	%	ISO 527-2/50
Flexural Modulus - Secant	6000	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	7.0	kJ/m ²	
23°C	10	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	40	kJ/m ²	

23°C	42	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	160	°C	ISO 75-2/B
1.8 MPa, Unannealed	140	°C	ISO 75-2/A
Vicat Softening Temperature	133	°C	ISO 306/B50

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