

Hostacom G2 U02

Polypropylene Homopolymer

LyondellBasell Industries

Message:

"Hostacom" G2 U02 (natural) is a 20% glass coupled PP homopolymer with high flow, high stiffness, low creep under load at elevated temperatures. It is not intended for medical, pharmaceutical or drinking water applications.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Chemically Coupled		
	Good Creep Resistance		
	High Flow		
	High Stiffness		
	Homopolymer		
Uses	Appliances		
	Automotive Applications		
	Automotive Under the Hood		
	Structural Parts		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	14	g/10 min	
230°C/5.0 kg	55	g/10 min	
Melt Volume-Flow Rate (MVR)			ISO 1133
230°C/2.16 kg	16.5	cm ³ /10min	
230°C/5.0 kg	66.0	cm ³ /10min	
Molding Shrinkage	0.20 to 1.0	%	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	4600	MPa	ISO 527-2
Tensile Stress (Break)	70.0	MPa	ISO 527-2/50
Tensile Strain (Break)	4.0	%	ISO 527-2/50
Flexural Modulus - Secant	4000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (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			
--	160	°C	ISO 306/A50
--	125	°C	ISO 306/B50

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