

Hostacom G2 R03 105555

Polypropylene Homopolymer
LyondellBasell Industries

Message:

"Hostacom" G2 R03 105555 is a 20% glass fiber reinforced PP homopolymer (coupled). It combines excellent stiffness properties with good dimensional stability and low creep under load at elevated temperatures. The grade is available in black color, pellet form. It is not intended for medical, pharmaceutical or drinking water applications.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Chemically Coupled		
	High Rigidity		
	High Tensile Strength		
	Homopolymer		
Uses	Automotive Applications		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	6.00	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	5900	MPa	ISO 527-2/1
Tensile Stress (Break)	75.0	MPa	ISO 527-2/50
Flexural Modulus - Secant	5200	MPa	ISO 178
Flexural Stress (3.5% Strain)	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	6.0	kJ/m²	
23°C	9.0	kJ/m²	
Charpy Unnotched Impact Strength (23°C)	44	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	130	°C	ISO 75-2/A
CLTE			DIN 53752
Flow : 23 to 80°C	5.5E-5	cm/cm/°C	
Transverse : 23 to 80°C	6.8E-5	cm/cm/°C	

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