

# MAJORIS BG100

Polypropylene

AD majoris

## Message:

BG100 is a 10% chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding and extrusion profiles.

The product is available in black (BG100 - 8229) and natural (BG100) but other colours can be provided on request.

BG100 has been developed for applications where rigidity, good impact strength.

## APPLICATIONS

BG 100 is intended for components which require good impact strength, rigidity, dimensional stability. Suitable applications are:

Electrical tool and appliance components

Miscellaneous automotive technical items

Profiles

Pipes

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Chemical coupling		
	Impact resistance, good		
	Recyclable materials		
Uses	Electrical/Electronic Applications		
	Power/other tools		
	Piping system		
	Home appliance components		
	Application in Automobile Field		
	Profile		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Extrusion		
	Profile extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.996	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	65.0	MPa	ISO 527-2/50
Tensile Strain (Break)	5.0	%	ISO 527-2/50
Flexural Modulus	3000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	111	°C	ISO 75-2/B
1.8 MPa, not annealed	79.0	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Rear Temperature	230 - 240	°C	
Processing (Melt) Temp	220 - 250	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Slow-Moderate		
Injection instructions			

Holding pressure: 50 to 70% of the injection pressure.

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#### Recommended distributors for this material

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