

# MAJORIS BG314

Polypropylene

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## Message:

BG314 is a 30% chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding, with a low coefficient of friction and with an excellent combination of mechanical and thermal properties.

The product is available in natural, but other colours can be provided on request.

## APPLICATIONS

BG314 is used for various applications by injection with improved sliding properties and/or abrasion resistance and is also available in a variety of colours to meet the demands of different markets (electricity, appliances, cars...).

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Low friction coefficient		
	Chemical coupling		
	Recyclable materials		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.4	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	85.0	MPa	ISO 527-2/5
Tensile Strain (Break)	5.0	%	ISO 527-2/5
Flexural Modulus <sup>1</sup>	5500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	159	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method

Flame Rating	HB	UL 94
Injection	Nominal Value	Unit
Processing (Melt) Temp	230 - 270	°C
Mold Temperature	30.0 - 70.0	°C
Injection Rate	Moderate	
Injection instructions		
Holding pressure: 50 to 70% of the injection pressure		
NOTE		
1.	2.0 mm/min	

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