

# MAJORIS CG 310 BLACK 8229

Polypropylene

AD majoris

## Message:

CG 310 BLACK 8229 is a 30% chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding.

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

CG 310 BLACK 8229 has been developed especially for demanding applications in various engineering sectors.

CG 310 BLACK 8229 has high rigidity and medium impact strength, good dimensional stability and good creep resistancy also at high temperatures.

## APPLICATIONS

Product requiring very high overall mechanical performance such as:

Sockets and junction boxes for electrical industry

Electrical tool and appliance components

Automotive parts

Miscellaneous technical items

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Chemical coupling		
	Impact resistance, high		
	Good creep resistance		
Uses	Electrical/Electronic Applications		
	Power/other tools		
	Engineering application		
	Car interior parts		
	Automotive exterior parts		
Appearance	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)	3.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	79		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C, Injection Molded)	80.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C, Injection Molded)	3.0	%	ISO 527-2/50
Flexural Modulus	5600	MPa	ISO 178

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	156	°C	ISO 75-2/B
1.8 MPa, not annealed	142	°C	ISO 75-2/A
Vicat Softening Temperature			
--	164	°C	ISO 306/A50
--	135	°C	ISO 306/B50
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	Slow-Moderate		
Injection instructions			

Hold-on Pressure: 50 to 70% of the injection pressure.

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#### Recommended distributors for this material

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