

MAJORIS CG100 - 8229

Polypropylene

AD majoris

Message:

CG100 - 8229 is a 10% chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding.

The product is available in black (CG100 - 8229) and natural (CG100) but other colours can be provided on request.

CG100 - 8229 has been developed for applications where rigidity, good impact strength.

APPLICATIONS

CG100 - 8229 is intended for components which require good impact strength, rigidity, dimensional stability.

Suitable applications are:

Electrical tool and appliance components

Miscellaneous automotive technical items

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Good dimensional stability		
	Chemical coupling		
	Impact resistance, good		
	Recyclable materials		
	Medium hardness		
Uses	Electrical components		
	Power/other tools		
	Home appliance components		
	Application in Automobile Field		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.961	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	60.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	ISO 527-2/5
Flexural Modulus	3600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	135	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
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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