

# MAJORIS DG468 - 8229

Polypropylene

AD majoris

## Message:

DG468 - 8229 is a 40% chemically coupled glass fibre reinforced polypropylene compound elastomer modified intended for injection moulding . The product is available in black, but other colours can be provided on request.

DG468 - 8229 has been developed especially for demanding applications in various engineering sectors.

DG468 - 8229 has high rigidity and good impact strength, good dimensional stability and good creep resistancy also at high temperatures.

## APPLICATIONS

Product requiring very high overall mechanical performance such as:

Heater housing

Automotive under the bonnet components

Miscellaneous automotive technical items

Can suitably be made from DG468 - 8229.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Additive	Impact modifier		
Features	Good dimensional stability Impact modification Rigidity, high Chemical coupling Impact resistance, good Recyclable materials Good creep resistance		
Uses	Parts under the hood of a car Application in Automobile Field Shell		
Appearance	Black Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.30 - 0.60	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	68.0	MPa	ISO 527-2/50
Flexural Modulus	5200	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	18	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	46	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	140	°C	ISO 75-2/B
1.8 MPa, not annealed	125	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	230 - 260	°C	
Mold Temperature	30.0 - 70.0	°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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