

# MAJORIS GFR208

Polypropylene

AD majoris

## Message:

GFR208 is a 25% chemically coupled glass fibre reinforced polypropylene compound, halogen flame retardant UL 94 V0 (RoHS conform), intended for injection moulding.

The product is available in natural (GFR208) but other colours can be supplied on request.

GFR208 has a high flow rate and good dimensional stability.

## APPLICATIONS

GFR208 is intended for injection moulding for automotive applications and electrical components.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
Additive	Flame retardancy		
Features	Good dimensional stability		
	Chemical coupling		
	Recyclable materials		
	High liquidity		
	Halogenated		
Uses	Flame retardancy		
	Electrical components		
Uses	Application in Automobile Field		
RoHS Compliance	RoHS compliance		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6800	MPa	ISO 527-2/1
Tensile Stress (Yield)	92.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.6	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	6600	MPa	ISO 178
Flexural Stress <sup>2</sup>	146	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m <sup>2</sup>	ISO 179

Charpy Unnotched Impact Strength (23°C)	39	kJ/m <sup>2</sup>	ISO 179
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 - 250	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		
2.	50 mm/min		

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#### Recommended distributors for this material

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