

# MAJORIS DG207 - 8139

Polypropylene

AD majoris

## Message:

DG207 - 8139 is a 20% chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding.

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

DG207 - 8139 has been developed especially for demanding applications in various engineering sectors.

DG207 - 8139 has very high rigidity and impact strength, good dimensional stability and creep resistance also at high temperature. The product is UV stabilised.

## APPLICATIONS

Product requiring high UV stabilised, such as:

Electrical appliances

Exterior parts

Technical components

Sports leisure

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Additive	UV stabilizer		
Features	Good dimensional stability		
	Rigidity, high		
	Chemical coupling		
	Impact resistance, high		
	Good UV resistance		
	Recyclable materials		
	Good creep resistance		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Sporting goods		
Appearance	Grey		
	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ISO 1133
Molding Shrinkage	0.90 - 1.1	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	76.0	MPa	ISO 527-2/50
Tensile Strain (Break)	4.0	%	ISO 527-2/50

Flexural Modulus <sup>1</sup>	4300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	34	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	144	°C	ISO 75-2/B
1.8 MPa, not annealed	133	°C	ISO 75-2/A
Vicat Softening Temperature			
--	161	°C	ISO 306/A50
--	126	°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 - 50.0	°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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#### Recommended distributors for this material

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