

# MAJORIS DG247

Polypropylene  
AD majoris

Message:

DG247 is a 20% 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. DG247 has been developed especially for demanding applications in various engineering sectors. DG247 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

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		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	75.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	ISO 527-2/5
Flexural Modulus	4400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	32	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	145	°C	ISO 75-2/B
1.8 MPa, not annealed	135	°C	ISO 75-2/A
Vicat Softening Temperature			
--	163	°C	ISO 306/A50
--	128	°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			

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#### Recommended distributors for this material

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