

# MAJORIS DG204X

Polypropylene  
AD majoris

Message:

MAJORIS DG204X is a high performance reinforced polypropylene compound intended for injection moulding.  
The product is available in natural, but other colours can be provided on request.  
MAJORIS DG204X has been developed especially for demanding applications in automotive industry and various engineering sectors.  
MAJORIS DG204X has very high rigidity, good dimensional stability and good creep resistancy also at high temperatures.

APPLICATIONS

Product requiring high service temperature and extremely high mechanical strength.

General Information			
Features	Good dimensional stability		
	Rigidity, high		
	High strength		
	Recyclable materials		
	Good creep resistance		
Uses	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
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)	6.0	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.90 - 1.1	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5500	MPa	ISO 527-2
Tensile Stress (Yield)	85.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	37	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	150	°C	ISO 75-2/B
1.8 MPa, not annealed	140	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

Injection	Nominal Value	Unit
Processing (Melt) Temp	230 - 270	°C
Mold Temperature	30.0 - 60.0	°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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