

MAJORIS GT 275

Polypropylene

AD majoris

Message:

GT 275 is a 20% mineral filled polypropylene compound intended for injection moulding.

The product is available in natural (GT 275) but other colours can be provided on request.

GT 275 has an good balance between the impact strength and show very good antistatic performance, excellent scratch resistance, UV stabilised.

APPLICATIONS

Automotive interior parts

Motor housing

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Additive	UV stabilizer		
Features	Antistatic property		
	Good UV resistance		
	Good strength		
	Scratch resistance		
Uses	Electric Motor Housings		
	Car interior parts		
	Car interior equipment		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage - Flow (23°C)	1.2	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C, Injection Molded)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C, Injection Molded)	3.0	%	ISO 527-2/50
Flexural Modulus ¹ (23°C, Injection Molded)	2450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C, injection molding	2.0	kJ/m ²	ISO 179/1eA

23°C, injection molding	4.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C, injection molding	25	kJ/m ²	ISO 179/1eU
23°C, injection molding	59	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	110	°C	ISO 75-2/B
1.8 MPa, not annealed	60.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	148	°C	ISO 306/A
--	68.0	°C	ISO 306/B
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	210 - 260	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Hold-on Pressure: 50 - 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		

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