

# MAJORIS HT300 - 1249

Polypropylene

AD majoris

## Message:

HT300 - 1249 is a 30% mineral filled polypropylene compound intended for injection moulding.

The product is available in both white (HT300 - 1249) and orange (HT300 - 2703) but other colours can be provided on request.

HT300 - 1249 has been developed especially for car industry, to be used in interior parts.

HT300 - 1249 offers very good flowability.

## APPLICATIONS

Air condition distributors

Interior rigid parts

General Information			
Filler / Reinforcement	Mineral filler, 30% filler by weight		
Features	Recyclable materials		
	Good liquidity		
Uses	Car interior parts		
Appearance	White		
	Orange		
	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	32	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ISO 527-2/1
Tensile Stress (Yield)	23.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	2.0	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	3900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	1.3	kJ/m <sup>2</sup>	ISO 179/1eA
23°C	2.5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	12	kJ/m <sup>2</sup>	ISO 179/1eU
23°C	20	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, not annealed	128	°C	ISO 75-2/B
1.8 MPa, not annealed	72.0	°C	ISO 75-2/A
Vicat Softening Temperature	71.0	°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			
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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