

MAJORIS FT200

Polypropylene

AD majoris

Message:

FT200 is a mineral filled polypropylene compound intended for injection moulding.
The product is available in natural (FT200) but other colours can be provided on request.
FT200 has a very easy flowing and excellent mechanical properties.

APPLICATIONS

Products requiring high heat distortion temperature, excellent rigidity, low shrinkage, low warpage and high dimensional stability such as:
Household articles
Technical components

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Features	Good dimensional stability		
	Low warpage		
	Rigidity, high		
	Recyclable materials		
	Good liquidity		
	Compliance of Food Exposure		
	Low shrinkage		
Uses	Household goods		
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)	16	g/10 min	ISO 1133
Molding Shrinkage	1.1	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	88.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	33.0	MPa	ISO 527-2/50
Tensile Strain (Break)	36	%	ISO 527-2/50
Flexural Modulus ¹	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	1.1	kJ/m ²	ISO 179/1eA

23°C	2.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	14	kJ/m ²	ISO 179/1eU
23°C	32	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	124	°C	ISO 75-2/B
1.8 MPa, not annealed	70.0	°C	ISO 75-2/A
Vicat Softening Temperature	99.0	°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	220 - 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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