

# MAJORIS FT103X

Polypropylene

AD majoris

## Message:

MAJORIS FT103X is a high performance polypropylene compound for injection moulding.

MAJORIS FT103X has been developed especially for applications requiring detergent resistance, high flow and good process ability and good dimensional stability.

## APPLICATIONS

Packaging

Appliances

Containers and products with medium to long flow length

General Information			
Features	Good dimensional stability		
	Recyclable materials		
	Workability, good		
	High liquidity		
	Detergent resistance		
Uses	Packaging		
	Electrical appliances		
	Container		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage	1.0 - 1.5	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	112		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ISO 527-2/1
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.5	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	2380	MPa	ISO 178
Flexural Stress	63.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	122	°C	ISO 75-2/B

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94
Injection	Nominal Value	Unit
Processing (Melt) Temp	210 - 260	°C
Mold Temperature	30.0 - 60.0	°C
Injection Rate	Fast	
Holding Pressure	40.0 - 60.0	MPa
Injection instructions		
Back pressure: MediumScrew speed: Low to medium		
NOTE		
1.	2.0 mm/min	

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#### Recommended distributors for this material

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