

MAJORIS FT103C

Polypropylene

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Message:

FT103C is a high performance polypropylene for injection moulding.

FT103C has been developed especially for applications requiring detergent resistance, high flow and good process ability and good dimensional stability.

The product is available in black (FT103C - 8229) or natural, but other colours can be provided on request.

APPLICATIONS

Packaging

Appliances

Containers and products with medium to long flow length

General Information			
Features	Detergent Resistant		
	Good Dimensional Stability		
	Good Processability		
	High Flow		
	Recyclable Material		
Uses	Appliances		
	Containers		
	Packaging		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 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 ¹	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 ²	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 to 260	°C	
Mold Temperature	30.0 to 60.0	°C	
Injection Rate	Fast		
Holding Pressure	40.0 to 60.0	MPa	
NOTE			
1.	2.0 mm/min		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

