

MAJORIS CT203 - 5761

Polypropylene

AD majoris

Message:

CT203 - 5761 is a white, 20% mineral filled grade intended for injection moulding.

The product is available in natural (CT203) and black (CT203 - 8229) but other colours can be supplied on request.

CT203 - 5761 has been developed especially for the car industry, to be used in interior parts and also for the white good industry especially for applications requiring high detergent resistance and heat stability.

APPLICATIONS

Automotive interior parts

Washing machine parts

Dishwasher components

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Features	Recyclable materials		
	Detergent resistance		
	Thermal stability, good		
Uses	Large household appliances and small household appliances		
	Home appliance components		
	Application in Automobile Field		
	Car interior parts		
Appearance	White		
	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	4.0	g/10 min	ISO 1133
230°C/5.0 kg	14	g/10 min	ISO 1133
Molding Shrinkage	1.1	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	90.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2/1
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/50

Tensile Strain (Yield)	4.7	%	ISO 527-2/50
Flexural Modulus ¹	2700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	1.3	kJ/m ²	ISO 179/1eA
23°C	2.3	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	19	kJ/m ²	ISO 179/1eU
23°C	52	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	135	°C	ISO 75-2/B
1.8 MPa, not annealed	70.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	154	°C	ISO 306/A
--	105	°C	ISO 306/B
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Fogging			DIN 75201
100°C/16h	5.0E-4	g	DIN 75201
100°C/3h	95	%	DIN 75201
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.	5.0 mm/min		

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