

MAJORIS CT273

Polypropylene

AD majoris

Message:

CT273 is a 25% mineral filled grade intended for injection moulding.
The product is available in natural (CT273) and black (CT273 - 8229) but other colours can be supplied on request.
CT273 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, 25% filler by weight		
Features	Recyclable materials		
	Detergent resistance		
	Thermal stability, good		
Uses	Large household appliances and small household appliances		
	Electrical appliances		
	Home appliance components		
	Application in Automobile Field		
	Car interior parts		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage	0.80 - 1.2	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	68.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2/1
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.0	%	ISO 527-2/50
Flexural Modulus ¹	2400	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.3	kJ/m ²	ISO 179/1eA
23°C	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	21	kJ/m ²	ISO 179/1eU
23°C	53	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	117	°C	ISO 75-2/B
1.8 MPa, not annealed	63.0	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	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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