

MAJORIS DC400 - 8229

Polypropylene

AD majoris

Message:

DC400 - 8229 is a black, 40% mineral filled polypropylene compound intended for injection moulding.

The product is available in natural (DC400) and black (DC400 - 8229) but other colours can be supplied on request.

DC 400 - 8229 is intended for component, which require very good surface quality, rigidity, low shrinkage and high dimensional stability.

APPLICATIONS

Electrical appliances

Household articles

Technical components

General Information			
Filler / Reinforcement	Mineral filler, 40% filler by weight		
Features	Good dimensional stability		
	Recyclable materials		
	Low shrinkage		
	Excellent appearance		
	Medium hardness		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Household goods		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage	0.80 - 1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/50
Tensile Strain (Break)	78	%	ISO 527-2/50
Flexural Modulus ¹	2300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	30	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method


Heat Deflection Temperature (1.8 MPa, Unannealed)	59.0	°C	ISO 75-2/A
Vicat Softening Temperature	97.0	°C	ISO 306/B
CLTE - Flow	5.5E-5	cm/cm/°C	ISO 11359-2
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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