

# MAJORIS CRT400 - 8229

Polypropylene

AD majoris

## Message:

CRT400 - 8229 is a 40% mineral filled polypropylene compound intended for injection moulding.

The product is available in both black (CRT400 - 8229).

## APPLICATIONS

Miscellaneous electrical components

Miscellaneous automotive components

Products requiring high rigidity, high dimensional stability, low shrinkage, can suitably be made from CRT400 - 8229.

General Information			
Filler / Reinforcement	Mineral filler, 40% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Recyclable materials		
	Low shrinkage		
Uses	Electrical components		
	Application in Automobile Field		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5 - 5.0	g/10 min	ISO 1133
Molding Shrinkage	0.80 - 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3800	MPa	ISO 527-2/1
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	6.0	%	ISO 527-2/5
Flexural Modulus <sup>1</sup>	3950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	130	°C	ISO 75-2/B
1.8 MPa, not annealed	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B
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	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.	2.0 mm/min	

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Recommended distributors for this material

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