

# MAJORIS CT400

Polypropylene

AD majoris

## Message:

CT400 is a polypropylene 40% mineral filled polypropylene compound intended for injection moulding. The product is available in natural CT400 but other colours can be provided on request.

CT400 is intended for components which require good long term heat resistance, it has a high heat distortion temperature, good rigidity, low shrinkage, noise and vibration absorption and good dimensional stability.

### APPLICATIONS

Dashboard items

Automotive interior trims

Fuse and connector boxes

Miscellaneous electrical components

Technical components

General Information			
Filler / Reinforcement	Mineral filler, 40% filler by weight		
Features	Good dimensional stability		
	Shock absorption		
	Noise reduction		
	Recyclable materials		
	Low shrinkage		
	Medium hardness		
Uses	Electrical components		
	Car interior equipment		
Appearance	Available colors		
	Natural color		
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)	6.5	g/10 min	ISO 1133
Molding Shrinkage	0.60 - 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	31.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	3650	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	131	°C	ISO 75-2/B
CLTE - Flow	5.5E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	750	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 - 270	°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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