

MAJORIS CT300

Polypropylene

AD majoris

Message:

CT300 is a 30% mineral filled polypropylene compound intended for injection moulding.

The product is available in both black (CT300- 8229) and natural (CT300) but other colours can be provided on request.

CT300 has a medium flow rate, very good process and heat stability.

APPLICATIONS

Fuse and connector boxes

Miscellaneous electrical components

Household appliances

Automotive climate control parts

Products requiring rigidity, high dimensional stability, high heat distortion temperature can suitably be made from CT300.

General Information			
Filler / Reinforcement	Mineral filler, 30% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Recyclable materials		
	Workability, good		
	Medium liquidity		
Uses	Thermal stability, good		
	Electrical components		
	Electrical appliances		
	Application in Automobile Field		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage	0.70 - 1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/50
Flexural Modulus ¹	3120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	127	°C	ISO 75-2/B
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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