MAJORIS GC300 - 1367

Polypropylene

AD majoris

Message:

GC300 - 1367 is a 30% mineral CaCO 3 filled polypropylene compound intended for injection moulding.
The product is available in both black (GC300 - 8229) and natural (GC300) but other colours can be provided on request.
GC300 - 1367 has been developed especially for appliances.
APPLICATIONS
Products requiring very high rigidity, very high distortion temperature, low shrinkage, high dimensional stability and can suitably be made from GC300 - 1367.

General Information			
Filler / Reinforcement	Calcium carbonate filler, 30% filler by weight		
Features	Good dimensional stability Rigidity, high Recyclable materials Low shrinkage		
Uses	Electrical appliances		
Appearance	Black Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.14	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Molding Shrinkage	0.90 - 1.4	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	20.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Modulus - 1% Secant	2200	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	121	°C	ISO 75-2/B
Ball Pressure Test (130°C)	Pass		NF C 61-303
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

Recommended distributors for this material

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WECHAT