

MAJORIS GC169 - 5776

Polypropylene

AD majoris

Message:

GC169 - 5776 is a blue, 15% mineral filled polypropylene compound intended for injection moulding. The product is available in natural (GC169) and black (GC169 - 8229) but other colours can be supplied on request. The good flowability of GC169 - 5776 makes it very easy to process even for complicated parts. The material displays excellent gloss and antistatic properties. GC169 - 5776 is intended for component, which require very good surface quality, rigidity, very good impact, low shrinkage and high dimensional stability.

APPLICATIONS

Electrical appliances
Household articles
Technical components

General Information	
Filler / Reinforcement	Mineral filler, 15% filler by weight
Additive	Antistatic property heat stabilizer
Features	Good dimensional stability Rigidity, high Highlight Antistatic property Impact resistance, good Recyclable materials Workability, good Good liquidity Scratch resistance Heat resistance, high Thermal Stability Low shrinkage Good appearance Excellent appearance
Uses	Electrical/Electronic Applications Electrical appliances Household goods
Appearance	Black Available colors Blue Natural color

Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	19	g/10 min	ISO 1133
Molding Shrinkage	1.3 - 1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	14.0	MPa	ISO 527-2/50
Fracture	25.0	MPa	ISO 527-2/50
Flexural Modulus ¹	1600	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)	98.0	°C	ISO 75-2/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	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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