

MAJORIS GC168 - 7790/858

Polypropylene

AD majoris

Message:

GC168 - 7790/858 is a grey, 15% mineral filled polypropylene compound intended for injection moulding. The product is available in natural (GC168) and black (GC168 - 8229) but other colours can be supplied on request. The good flowability of GC168 - 7790/858 makes it very easy to process even for complicated parts. The material displays excellent gloss and antistatic properties. The product contains a metal deactivator. GC168 - 7790/858 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	Metal deactivator
	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
	Grey
	Available colors

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 (Yield)	14.0	MPa	ISO 527-2/50
Tensile Strain (Break)	25	%	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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