

MAJORIS GB700 - 1199

Polypropylene

AD majoris

Message:

GB700 - 1199 is a, 70% mineral filled polypropylene compound intended for injection moulding.

The product is available in natural (GB700) and black (GB700 - 8229) but other colours can be supplied on request.

GB700 - 1199 has been developed for applications where high density, good surface finish and very good flow properties are necessary.

APPLICATIONS

High density products, such as:

Sound absorption parts

Electronic housings

Cosmetics mouldings

Appliances

General Information			
Filler / Reinforcement	Mineral filler, 70% filler by weight		
Features	High density		
	Recyclable materials		
	Good liquidity		
	Excellent appearance		
Uses	Electrical housing		
	Electrical appliances		
	Sound insulation		
	Cosmetics		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	2.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.40	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	17.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ¹	4500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.5	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	16	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	128	°C	ISO 75-2/B
1.8 MPa, not annealed	75.0	°C	ISO 75-2/A
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 - 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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

