

# MAJORIS GC321

Polypropylene

AD majoris

## Message:

GC321 is a 30% mineral filled polypropylene compound intended for injection moulding, halogen free.

The product is available in both black (GC321 - 8229) and natural (GC321) but other colours can be provided on request.

GC321 has been developed especially for appliances.

## APPLICATIONS

Products requiring very high rigidity, good long term heat resistance, very high distortion temperature, low shrinkage, high dimensional stability and antistatic can suitably be made from GC321.

General Information			
Filler / Reinforcement	Mineral filler, 30% filler by weight		
Additive	Antistatic property heat stabilizer		
Features	Good dimensional stability Rigidity, high Antistatic property Recyclable materials Heat resistance, high Thermal Stability Low shrinkage Halogen-free		
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/cm <sup>3</sup>	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 Strength (Yield)	20.0	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant	2200	MPa	ASTM D790
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
Glow Wire Ignition Temperature (2.70 mm)	775	°C	IEC 60695-2-13
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

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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

