

**Polypropylene****MG220WGB**

Polypropylene Compound, Mineral Filled

Description

MG220WGB is a 20% mineral filled polypropylene compound intended for injection moulding. **Applications**
MG220WGB has been developed especially for applications like:

Washing machine parts

Window frames

Special Featuresdimensional stability
stiffness

chemical resistance

Physical Properties

Values determined on standard injection moulded specimens conditioned at 23°C and 50% relative humidity after at least 96 hours storage time.

Property	Typical Value	Test Method
Data should not be used for specification work		
Density	1040 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	30 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	2.200 MPa	ISO 178
Flexural Strength	36 MPa	ISO 178
Tensile Stress at Yield (50 mm/min)	25 MPa	ISO 527-2
Heat Deflection Temperature (0,45 MPa)	120 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	5 kJ/m ²	ISO 179/1eA

Processing Techniques

The actual conditions will depend on the type of equipment used.

To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2h at 95° - 105°C. This product is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines:

Melt temperature	200 - 240 °C
Holding pressure	50-70% of injection pressure
Mould temperature	20 - 40 °C
Screw speed	Low to medium
Injection speed	Medium to high

Storage

MG220WGB should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

HongRong Engineering Plastics Co.,Ltd.
 Head Office Tel. +85-2-6957-5415
 Research Center Tel.+188 1699 6168



Polypropylene
MG220WGB

Safety

MG220WGB is not classified as a dangerous preparation. Dust and fines from the product may give a risk for dust explosion. All equipment should be properly earthed. Inhalation of dust may irritate the respiratory system and should be avoided. During processing of the product small amounts of fumes are generated, which require proper ventilation.

Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

Please contact your Borealis representative for more details on recycling.

Issuer:

Marketing Advanced Products / Eduardo Girete
Product Management / Alexandrina Silva