

**Polypropylene****MB201HPB**

Polypropylene Compound, Mineral Filled

Description

MB201HPB is a Mineral filled polypropylene compound intended for extrusion moulding. The product is 20% Mineral filled.

Applications

Sheets and profiles

Special Features

Very high scratch resistance
Very high heat stabilised

Very high stiffness and impact balance

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 (23 °C)	1040 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	1,5 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	3.000 MPa	ISO 178
Tensile Stress at Yield (50 mm/min) (23 °C)	34 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	120 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	6 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-30 °C)	2,5 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. MB201HPB is easy to process with standard injection moulding machines. Following parameters should be used as guidelines:

Drying	95 - 105 °C
Barrel	200 - 230 °C
Melt temperature	190 - 230 °C

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Storage

MB201HPB 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.

Safety

MB201HPB 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. Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative.

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.