

# 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 <sup>3</sup>	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 <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, notched (-30 °C)	2,5 kJ/m <sup>2</sup>	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

### 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

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.

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### Regional Availability

South America

For additional information on regional availability please contact your local Borealis Sales Representative.

#### Issuer:

Marketing Advanced Products / Eduardo Girote

Product Management / Alexandrina Silva

#### Disclaimer

**The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.**

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