

## PRODUCT DATA SHEET

28.10.2016 Ed.5

 **Polypropylene**  
**MB352WG****Description****MB352WG** is a 30% mineral filled polypropylene compound intended for injection moulding.**Applications****MB352WG** has been developed especially for applications like:

Washing machine parts

Dishwashers components

**Special Features**Excellent stiffness and impact balance  
Excellent dimensional stability

UL registered under File E108112

**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                                        | 1150 kg/m <sup>3</sup> | ISO 1183    |
| Melt Flow Rate (230 °C/2,16 kg)                | 2,3 g/10min            | ISO 1133    |
| Flexural Modulus (2 mm/min)                    | 3.450 MPa              | ISO 178     |
| Heat Deflection Temperature B (0,45 MPa)       | 124 °C                 | ISO 75-2    |
| Charpy Impact Strength, notched (23 °C)        | 4 kJ/m <sup>2</sup>    | ISO 179/1eA |
| Charpy Impact Strength, notched (-20 °C)       | 1,5 kJ/m <sup>2</sup>  | ISO 179/1eA |

**Application Related and Other Tests**

| Property                                       | Typical Value | Test Method     |
|------------------------------------------------|---------------|-----------------|
| Data should not be used for specification work |               |                 |
| Mould average Shrinkage <sup>1</sup>           | 1,1 %         | Borealis Method |

<sup>1</sup> VALUES MAY ONLY BE USED AS INDICATION, AND SHOULD NOT BE USED DIRECTLY IN MOULD DESIGN WITHOUT PRIOR VALIDATION**Processing Techniques**

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

**Injection Moulding**

This product is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines:

Borealis AG | Wagramer Strasse 17-19 | 1220 Vienna | Austria  
Telephone +43 1 224 00 0 | Fax +43 1 22 400 333  
FN 269858a | CCC Commercial Court of Vienna | Website [www.borealisgroup.com](http://www.borealisgroup.com)

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**MB352WG**

Feeding temperature  
Mass temperature  
Back pressure  
Holding pressure  
Mould temperature  
Screw speed  
Flow front speed

40 - 80 °C  
220 - 260 °C  
Low to medium  
30 - 60 MPa  
30 - 50 °C  
Low to medium  
100 - 200 mm/s

**Storage**

**MB352WG** 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**

The product is not classified as dangerous. 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.

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of recovery and disposal of the product.

**Regional Availability**

Europe

For information on regional availability please contact Borealis Sales Representative.

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**MB352WG****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.**

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

**Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.**

**It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.**

No liability can be accepted in respect of the use of any Borealis product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above.

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