

 **Polypropylene**  
**BorECO™ BC212IM****Description**

**BorECO BC212IM** is a polypropylene block copolymer combining high stiffness and good flowability.

Its excellent stabilisation package provides improved thermal stability compared with standard injection moulding grades.

**Applications**

**BorECO BC212IM** is intended for: injection moulding, especially in the field of sewage and underground drainage systems.

**Physical Properties**

| Property                                       | Typical Value         | Test Method |
|------------------------------------------------|-----------------------|-------------|
| Data should not be used for specification work |                       |             |
| Melt Flow Rate (230 °C/2,16 kg)                | 4,5 g/10min           | ISO 1133    |
| Tensile Modulus (1 mm/min)                     | 1.700 MPa             | ISO 527-2   |
| Tensile Strain at Yield (50 mm/min)            | 4 %                   | ISO 527-2   |
| Tensile Stress at Yield (50 mm/min)            | 32 MPa                | ISO 527-2   |
| Oxidation Induction Time (210 °C),             | > 20 min              | ISO 11357-6 |
| Charpy Impact Strength, notched (23 °C)        | 8 kJ/m <sup>2</sup>   | ISO 179/1eA |
| Charpy Impact Strength, notched (-20 °C)       | 3,5 kJ/m <sup>2</sup> | ISO 179/1eA |

**Processing Techniques**

This product is easy to process with standard injection moulding machines.

Following parameters should be used as guidelines:

|                   |                      |
|-------------------|----------------------|
| Melt temperature  | 230 - 260 °C         |
| Holding pressure  | 200 - 500 bar        |
| Mould temperature | 10 - 30 °C           |
| Injection speed   | As high as possible. |

**Storage**

**BorECO BC212IM** 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.

BorECO is a trademark of the Borealis group.

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 **Polypropylene**  
**BorECO BC212IM****Safety**

The product is not classified as dangerous.

**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 safety, recovery and disposal of the product. For more information, contact your Borealis representative.

**Related Documents**

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

Recovery and disposal of polyolefins  
Information on emissions from processing and fires  
"Safety data sheet" / "Product safety information sheet"

**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.

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