

Polypropylene BorECO™ BC212IM

High stiff Polypropylene Copolymer for Non-Pressure Pipes

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 stormwater boxes, sewage and underground drainage systems.

Physical Properties

Property	Typical Value	Test Method
Melt Flow Rate (230 °C/2,16 kg)	4,5 g/10min	ISO 1133
Flexural Modulus	1.700 MPa	ISO 178
Tensile Strain at Yield (50 mm/min)	4 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	32 MPa	ISO 527-2
Charpy Impact Strength, notched (23 °C)	8 kJ/m ²	ISO 179-1
Charpy Impact Strength, notched (-20 °C)	3,5 kJ/m ²	ISO 179-1

Processing Techniques

This product is easy to process with standard injection moulding machines. Specific recommendations for processing conditions can be determined only when the application and type of equipment are known. Please contact your local Borealis representative for such particulars.

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.

Safety

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety 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.

Related Documents

For general and grade specific compliance documents please see Borealis' homepage www.borealisgroup.com or ask your Borealis representative.

BorECO is a trademark of the Borealis group.



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Issuer:

Product Management / Petar Doshev
Marketing Oil & Gas / Thierry Pezard

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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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.

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