PRODUCT DATA SHEET

01.09.2020 Ed.12

Polypropylene
BorECO™ BA212E

Polypropylene Copolymer for Non-Pressure Pipes

Description

BorECO™ BA212E is a high molecular weight, low melt flow rate polypropylene block copolymer with very high stiffness and impact strength.

Applications

BorECO BA212E is is recommended for solid wall and structured thin-wall non-pressure gravity pipes, fittings, chambers and profiles.

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Melt Flow Rate (230 °C/2,16 kg)	0,25 g/10min	ISO 1133
Flexural Modulus	1.800 MPa	ISO 178
Tensile Strain at Yield (50 mm/min)	8 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	31 MPa	ISO 527-2
Charpy Impact Strength, notched (23 °C)	50 kJ/m²	ISO 179-1
Charpy Impact Strength, notched (-20 °C)	5 kJ/m²	ISO 179-1

Processing Techniques

The actual conditions will depend on the type of equipment used. They will also depend on size and wall thickness of the pipe produced.

Extrusion

Cylinder	200 - 220 °C
Head	210 - 220 °C
Die	210 - 220 °C
Melt temperature	210 - 230 °C

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 BA212E 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.

BorECO is a trademark of the Borealis group.

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BOREALIS

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Related Documents

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

Issuer:
Product Management / Petar Doschev
Marketing Pipe / 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.

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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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