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Polypropylene
BA204E

Polypropylene Block Copolymer for Non-Pressure Pipes

Description

BA204E is a high molecular weight, low melt flow rate polypropylene block copolymer with very high impact strength.

Applications

BA204E is recommended for non-pressure pipes & fittings, thin-walled corrugated pipes and profiles.

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Density	900 kg/m3	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	0,8 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.100 MPa	ISO 178
Tensile Strain at Yield (50 mm/min)	10 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	27 MPa	ISO 527-2
Charpy Impact Strength, notched (23 °C)	35 kJ/m²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	4 kJ/m²	ISO 179/1eA

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

BA204E 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.

Borealis AG | Wagramerstrasse 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

Manufacturer website: https://www.borealisgroup.com/

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Safety
The product is not classified as a dangerous preparation.

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 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 products.

Recovery and disposal of polyolefins
Information on emissions from processing and fires
Safety Data Sheet
Statement on compliance to food contact regulations
Statement on compliance to regulations on medical use

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 Borealis' products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

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