



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	Test Method
Data should not be used for specification work		
Density	900 kg/m ³	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/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	4 kJ/m ²	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.

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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

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