



# Polypropylene BA202E

Polypropylene Block Copolymer for Non-Pressure Pipes

## Description

**BA202E** is a high molecular weight, low melt flow rate polypropylene block copolymer with very high impact strength.

## Applications

**BA202E** 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 <sup>3</sup> | ISO 1183    |
| Melt Flow Rate (230 °C/2,16 kg)                | 0,3 g/10min           | ISO 1133    |
| Flexural Modulus (2 mm/min)                    | 1.300 MPa             | ISO 178     |
| Tensile Strain at Yield (50 mm/min)            | 6 %                   | ISO 527-2   |
| Tensile Stress at Yield (50 mm/min)            | 28 MPa                | ISO 527-2   |
| Charpy Impact Strength, notched (23 °C)        | 50 kJ/m <sup>2</sup>  | ISO 179/1eA |
| Charpy Impact Strength, notched (-20 °C)       | 5 kJ/m <sup>2</sup>   | ISO 179/1eA |
| Hardness, Shore D                              | 60                    | ISO 868     |

## 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

**BA202E** 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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 **Polypropylene**  
**BA202E****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  
Statement on compliance to regulations for drinking water pipes

**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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