



# Polypropylene Borcoat™ BA213E

Polypropylene for Steel Pipe Coating

## Description

**Borcoat BA213E** is a polypropylene compound used as a component in thermal insulation coating systems.

## Applications

**Borcoat BA213E** is recommended as a polymer to make foam for thermal insulation used in:

Steel Pipe Coating

## Special features

**Borcoat BA213E** The product can be used to make foam for PP multi-layer thermal insulation systems at temperatures up to 140°C

## 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)	0,25 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.600 MPa	ISO 178
Tensile Strain at Yield (50 mm/min)	6 %	ISO 527
Tensile Stress at Yield (50 mm/min)	30 MPa	ISO 527
Melting temperature (DSC)	163 °C	ISO 3146
Vicat softening temperature (10 N)	155 °C	ISO 306
Izod Impact Strength, notched (23 °C)	40 kJ/m <sup>2</sup>	ISO 180/A
Water absorption (,1 Days)	0,1 mg/cm <sup>2</sup>	ASTM D 570

## Processing Techniques

The actual conditions will depend on the type of equipment used.

Borcoat BA213E can be applied by flat die or crosshead 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.

Borcoat is a trademark of Borealis A/S, Denmark.

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](http://www.borealisgroup.com)



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## Storage

**Borcoat BA213E** 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

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" / "Product safety information 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" / "Product safety information sheet"

## 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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