



Polypropylene BorcoatTM 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 ³	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 ²	ISO 180/A
Water absorption (,1 Days)	0,1 mg/cm ²	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.





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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"



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