



# **Polypropylene** **Borcoat™ EA165E** Polypropylene compound for Steel Pipe Coating

## Description

**Borcoat EA165E** is an elastomer modified compound, based on a high molecular weight copolymer. The elastomer modification gives excellent low temperature impact resistance.

The product is self coloured.

## Applications

**Borcoat EA165E** is recommended for injection moulding of thick field joints used in:

Steel Pipe Coating

## Specifications

**Borcoat EA165E** is intended to fulfill following National and International standards, when appropriate industrial manufacturing standard procedures are applied and a continuous quality system is implemented and when used in combination with and a compatible powder epoxy.

Draft ISO 21809-2

## Special features

**Borcoat EA165E** The product is primarily used as an injection moulded coating for thick field joints.

## Physical Properties

Property	Typical Value	Test Method
<small>Data should not be used for specification work</small>		
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)	800 MPa	ISO 178
Tensile Strain at Yield (50 mm/min)	4 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	18 MPa	ISO 527-2
Charpy Impact Strength, notched (0 °C)	75 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	65 kJ/m <sup>2</sup>	ISO 179/1eA
Hardness, Shore D	59	ISO 868

## Processing Techniques

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

## Extrusion

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 Research Center Tel.+188 1699 6168



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Cylinder	210 - 230 °C
Head	230 - 240 °C
Die	230 - 240 °C
Melt temperature	230 - 240 °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 EA165E can be applied by injection moulding.

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## Storage

**Borcoat EA165E** should be stored in dry conditions at temperatures below 60°C and protected from UV-light. Improper storage can initiate degradation.

## 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.

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## Disclaimer

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