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 Data should not be used for specification work	Test Method
Density	900 kg/m3	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/m²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	65 kJ/m²	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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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

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.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of Borealis' products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

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