

# Borcoat™ EA165E

Polypropylene

Borealis AG

## Message:

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.

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

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

General Information			
Features	High molecular weight		
	Recyclable materials		
	Low temperature impact resistance		
Uses	Pipeline coating		
Appearance	Unspecified Color		
Forms	Particle		
Processing Method	Multiple injection molding		
	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	59		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	18.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	65	kJ/m <sup>2</sup>	ISO 179/1eA
0°C	75	kJ/m <sup>2</sup>	ISO 179/1eA
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	210 - 230	°C	
Cylinder Zone 2 Temp.	210 - 230	°C	
Cylinder Zone 3 Temp.	210 - 230	°C	

Cylinder Zone 4 Temp.	210 - 230	°C
Cylinder Zone 5 Temp.	210 - 230	°C
Melt Temperature	230 - 240	°C
Die Temperature	230 - 240	°C

Extrusion instructions

Head: 230 to 240°C

NOTE

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| 1. | 2.0 mm/min |
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