

Borcoat™ ME0420

Polyethylene

Borealis AG

Message:

Borcoat ME0420 is a maleic grafted polyethylene.

The product is supplied in pellet form.

Borcoat ME0420 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 HE3450 or HE3453 and a compatible powder epoxy.

NFA 49710

DIN 30670S

CAN/CSA-Z245.21

Draft ISO 21809-1

General Information			
Features	Recyclable materials		
	Good adhesion		
Uses	Pipeline coating		
	Coating application		
Agency Ratings	CSA Z245.21		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.934	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	47		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	> 18.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 700	%	ISO 527-2/50
Films	Nominal Value	Unit	Test Method
Peel Strength ²			DIN 30670
23°C	> 2.00	J	DIN 30670
80°C	> 0.400	J	DIN 30670
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	100	°C	ISO 306/A50
Melting Temperature (DSC)	122	°C	ISO 3146
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	200 - 230	°C	
Cylinder Zone 2 Temp.	200 - 230	°C	

Cylinder Zone 3 Temp.	200 - 230	°C
Cylinder Zone 4 Temp.	200 - 230	°C
Cylinder Zone 5 Temp.	200 - 230	°C
Melt Temperature	210 - 230	°C
Die Temperature	230 - 240	°C

Extrusion instructions

Steel Pipe Temperature: 180 to 210°CHead Temperature: 230 to 240°C

NOTE

1.	ISO 1872-2
2.	3 layer

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Recommended distributors for this material

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