

Borcoat™ MA115E

Polypropylene

Borealis AG

Message:

Borcoat MA115E is a highly filled polypropylene compound and is self coloured.

Borcoat MA115E The product is used for special purposes such as weight coating in PP multi-layer coating systems.

General Information			
Filler / Reinforcement	Filler,70% Filler by Weight		
Features	Recyclable Material		
Uses	Pipe Coatings		
Appearance	Unspecified Color		
Forms	Pellets		
Processing Method	Coating		
	Extrusion Coating		

Physical	Nominal Value	Unit	Test Method
Density	2.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.8	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ISO 527-2/1
Tensile Stress (Yield)	18.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	1.8	%	
Break	50	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	1.2	kJ/m ²	
23°C	1.9	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	110	°C	ISO 75-2/B
Vicat Softening Temperature	105	°C	ISO 306/B50

Extrusion	Nominal Value	Unit
Drying Temperature	< 90.0	°C
Cylinder Zone 1 Temp.	200 to 220	°C
Cylinder Zone 2 Temp.	200 to 220	°C
Cylinder Zone 3 Temp.	200 to 220	°C
Cylinder Zone 4 Temp.	200 to 220	°C
Cylinder Zone 5 Temp.	200 to 220	°C

Melt Temperature	210 to 230	°C
Die Temperature	210 to 220	°C

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Recommended distributors for this material

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