

Borcoat™ BA213E

Polypropylene

Borealis AG

Message:

Borcoat BA213E is a polypropylene compound used as a component in thermal insulation coating systems.
Borcoat BA213E The product can be used to make foam for PP multi-layer thermal insulation systems at temperatures up to 140°C

General Information			
Features	Foamable property		
	Recyclable materials		
Uses	Pipeline coating		
	Insulating material		
	Foam		
Forms	Particle		
Processing Method	Extrusion coating		
	Coating		

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.25	g/10 min	ISO 1133
Water absorption rate-1 day	0.100	mg/cm ²	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	6.0	%	ISO 527-2/50
Flexural Modulus ¹	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	155	°C	ISO 306/A50
Melting Temperature (DSC)	163	°C	ISO 3146
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	200 - 220	°C	
Cylinder Zone 2 Temp.	200 - 220	°C	
Cylinder Zone 3 Temp.	200 - 220	°C	
Cylinder Zone 4 Temp.	200 - 220	°C	
Cylinder Zone 5 Temp.	200 - 220	°C	
Melt Temperature	210 - 230	°C	
Die Temperature	210 - 220	°C	

Extrusion instructions

Head: 210 to 220°C

NOTE

1. 2.0 mm/min

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