

Borcoat™ BB127E

Polypropylene

Borealis AG

Message:

Borcoat BB127E is a maleic anhydride grafted polypropylene adhesive.

The product is supplied as pellets for melt extrusion and as a powder for application by spray or other special means.

General Information			
Features	Recyclable materials		
Uses	Pipeline coating		
	Adhesive		
Agency Ratings	ABNT NBR 15221-2		
	DIN 30678		
	ISO 21809-1		
	NF A 49-711		
	Shell DEP 31.40.30.31		
Forms	Particle		
Processing Method	Extrusion		
	Sprayable		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Moisture		%	Karl Fisher
Peel strength-3 layer			ISO 21809-1
23°C	25.0	kN/m	ISO 21809-1
80°C	> 10.0	kN/m	ISO 21809-1
110°C	> 4.0	kN/m	ISO 21809-1
140°C	> 3.0	kN/m	ISO 21809-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	20.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 400	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-20°C)	4.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	143	°C	ISO 306/A50
Extrusion	Nominal Value	Unit	
Die Temperature	210 - 240	°C	

Extrusion instructions

Head Temperature: 210 to 240°C PP Outer Layer Melt Temperature: <250°C Steel Pipe Temperature: 180 to 210°C

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Recommended distributors for this material

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