

Borcoat™ BB125E

Polypropylene Impact Copolymer

Borealis AG

Message:

Borcoat BB125E is a chemically modified polypropylene copolymer designed to be used as the tie layer between the epoxy corrosion protection layer and the top-coat polypropylene Borcoat BB108E-1199.

The system Borcoat BB125E/Borcoat BB108E-1199 fulfils the requirements of NFA 49-711, DIN 30678, Shell Specification (DEP 31.40.30.31) and prEN 10286 when used in combination with compatible powder epoxy and applied under good manufacturing practice.

Borcoat BB125E can be extruded on conventional LDPE extruders with flat die or crosshead. It has excellent adhesion to fusion bonded epoxy and polypropylene. Furthermore, it has superior thermal properties and can be used at operating temperatures within the range of -20°C to 110°C.

General Information			
Additive	UV stabilizer		
Features	Block Copolymer		
	High molecular weight		
	Recyclable materials		
	Low liquidity		
Uses	Pipeline coating		
	Coating application		
Appearance	White		
Forms	Powder		
Processing Method	Extrusion 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)	3.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	800	MPa	ISO 527-2/1
Tensile Stress (Yield)	18.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-20°C	10	kJ/m ²	ISO 180/1A
23°C	59	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	130	°C	ISO 306/A50
Additional Information			
Peel Strength (3-layer), DIN 30678, 23°C: >200 N/cmPeel Strength (3-layer), DIN 30678, 110°C: 40 N/cm			

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