

Borealis Borcoat™ BB127E Polypropylene Adhesive Powder form for Steel Pipe Coating

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Borcoat BB127E 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 coating Borcoat BB108E-1199. Borcoat BB127E is delivered in powder form and can be applied with an ordinary epoxy powder gun. 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 -10°C to 110°C, and up to 140°C for specific offshore projects. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borcoat-BB127E-Polypropylene-Adhesive-Powder-form-for-Steel-Pipe-Coating.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	ISO 868
Tensile Strength, Yield	22.0 MPa	3190 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	6.0 %	6.0 %	At 50 mm/min; ISO 527-2
Tensile Modulus	1.10 GPa	160 ksi	At 1 mm/min; ISO 527-2
Izod Impact, Notched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	ISO 108/1A
Peel Strength	>= 3.00 kN/m	>= 17.1 pli	3-layer at 140°C; DIN 30678
	>= 4.00 kN/m	>= 22.8 pli	3-layer at 110°C; DIN 30678
	>= 10.0 kN/m	>= 57.1 pli	3-layer at 80°C; DIN 30678
	>= 20.0 kN/m	>= 114 pli	3-layer; DIN 30678

Thermal Properties	Metric	English	Comments
Vicat Softening Point	145 °C	293 °F	A50 (10 N); ISO 306

Processing Properties	Metric	English	Comments
Front Barrel Temperature	235 - 245 °C	455 - 473 °F	

Processing Properties	Metric45°C	English73°F	Comments
-----------------------	------------	-------------	----------

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China