

Borealis Borcoat™ BB108E-1199 White Polypropylene Block Copolymer for Steel Pipe Coating

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Borcoat BB108E-1199, a ready made white compound, is a highly molecular weight, low melt flow polypropylene block copolymer. As a top-coat in three component polypropylene systems, Borcoat BB108E-1199 fulfills the requirements in NFA 49-711, DIN 30678, Shell specification (DEP 31.40.30.31) and Pr EN 10286 when used in combination with Borcoat BB125E or Borcoat BB127E and compatible powder epoxy and applied under sound processing conditions. Borcoat BB108E-1199 is used in steel pipe coating as a top-coat for three component systems, UV stabilized, highly protected against thermal ageing, and designed for continuous use at high temperatures 110°C on-shore and up to 140°C for very specific off-shore projects. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borcoat-BB108E-1199-White-Polypropylene-Block-Copolymer-for-Steel-Pipe-Coating.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	Base Resin; ISO 1183
	0.920 g/cc	0.0332 lb/in ³	Compound; ISO 1183
Melt Flow	0.90 g/10 min	0.90 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ISO 868
Tensile Strength, Yield	25.0 MPa	3630 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	8.0 %	8.0 %	At 50 mm/min; ISO 527-2
Flexural Modulus	1.20 GPa	174 ksi	ISO 178
Charpy Impact, Notched	2.50 J/cm ²	11.9 ft-lb/in ²	ISO 179/1eA
	0.300 J/cm ² @Temperature -20.0 °C	1.43 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA

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

Processing Properties	Metric	English	Comments
Front Barrel Temperature	200 - 220 °C	392 - 428 °F	

Die Temperature Processing Properties	210 - 220 °C Metric	410 - 428 °F English	Comments
Melt Temperature	220 - 240 °C	428 - 464 °F	
Head Temperature	210 - 220 °C	410 - 428 °F	

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