

Borealis Borcoat™ BB700E-7032 Polypropylene Compound for Steel Pipe Coating Applications

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Borcoat BB700E-7032 is a grey colored high impact polypropylene. This product is especially designed for direct extrusion of syntactic PP with high thermal insulations capacity and high compression strength. Borcoat BB700E-7032 is recommended as thermal insulation for offshore deep water flow lines. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borcoat-BB700E-7032-Polypropylene-Compound-for-Steel-Pipe-Coating-Applications.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183
Melt Flow	1.6 g/10 min @Load 2.16 kg, Temperature 230 °C	1.6 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ISO 868
Tensile Strength, Yield	25.0 MPa	3630 psi	At 50 mm/min; ISO 527-2
Elongation at Break	<= 200 %	<= 200 %	50 mm/min; ISO 527-3
Tensile Modulus	1.40 GPa	203 ksi	At 1 mm/min; ISO 178
Flexural Modulus	0.800 GPa	116 ksi	At 2 mm/min; ISO 178

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	220 - 240 °C	428 - 464 °F	
Melt Temperature	225 - 235 °C	437 - 455 °F	
Head Temperature	220 - 230 °C	428 - 446 °F	

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