

Borealis BB108E Polypropylene compound for Steel Pipe Coating

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

Material Notes:

BB108E is a high molecular weight, low melt flow rate polypropylene block copolymer. Applications: BB108E is recommended for steel pipe coating. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-BB108E-Polypropylene-compound-for-Steel-Pipe-Coating.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ISO 868
Tensile Strength, Yield	25.0 MPa	3630 psi	50mm/min; ISO 527-2
Elongation at Break	>= 100 %	>= 100 %	ISO 527-2
Elongation at Yield	6.0 %	6.0 %	50mm/min; ISO 527-2
Flexural Modulus	1.20 GPa	174 ksi	2mm/min; ISO 178
Charpy Impact, Notched	0.300 J/cm ² @Temperature -20.0 °C	1.43 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA
	2.50 J/cm ² @Temperature 23.0 °C	11.9 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Vicat Softening Point	145 °C @Load 1.02 kg	293 °F @Load 2.25 lb	ISO 306

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	200 - 220 °C	392 - 428 °F	
Die Temperature	210 - 220 °C	410 - 428 °F	
Melt Temperature	220 - 240 °C	428 - 464 °F	

Head Temperature Processing Properties	210 - 220 °C Metric	410 - 428 °F English	Comments
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