

Borealis Borcoat™ MA115E Syntactic Polypropylene for Steel Pipe Coating

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Borcoat™ MA115E is a highly filled polypropylene compound and is self colored. Applications: Borcoat™ MA115E is recommended as heavy weight coating for special applications used in steel pipe coating. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borcoat-MA115E-Syntactic-Polypropylene-for-Steel-Pipe-Coating.php

Physical Properties	Metric	English	Comments
Density	2.00 g/cc	0.0723 lb/in ³	ISO 1183
Filler Content	70 %	70 %	
Melt Flow	2.8 g/10 min @Load 2.16 kg, Temperature 230 °C	2.8 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.0 MPa	2610 psi	50mm/min; ISO 527-2
Elongation at Break	50 %	50 %	50mm/min; ISO 527-2
Elongation at Yield	1.8 %	1.8 %	ISO 527-2
Tensile Modulus	3.50 GPa	508 ksi	1mm/min; ISO 527-2
Charpy Impact, Notched	0.120 J/cm ² @Temperature -20.0 °C	0.571 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA
	0.190 J/cm ² @Temperature 23.0 °C	0.904 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	ISO 75-2
Vicat Softening Point	105 °C	221 °F	B50; ISO 306

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	200 - 220 °C	392 - 428 °F	cylinder
Die Temperature	210 - 220 °C	410 - 428 °F	
Melt Temperature	210 - 230 °C	410 - 446 °F	

Processing Properties

Metric

English

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