

## Borealis Borcoat™ BA213E Polypropylene for Steel Pipe Coating

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

Borcoat™ BA213E is a polypropylene compound used as a component in thermal insulation coating systems. Applications: Borcoat™

BA213E is recommended as a polymer to make foam for thermal insulation used in steel pipe coating. Information provided by Borealis AG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Borcoat-BA213E-Polypropylene-for-Steel-Pipe-Coating.php](http://www.lookpolymers.com/polymer_Borealis-Borcoat-BA213E-Polypropylene-for-Steel-Pipe-Coating.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.0111 % @Time 86400 sec	0.0111 % @Time 24.0 hour	ASTM D570
Melt Flow	0.25 g/10 min @Load 2.16 kg, Temperature 230 °C	0.25 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	50mm/min; ISO 527
Elongation at Yield	6.0 %	6.0 %	ISO 527
Flexural Modulus	1.60 GPa	232 ksi	2mm/min; ISO 178
Izod Impact, Notched (ISO)	40.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	19.0 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/A

Thermal Properties	Metric	English	Comments
Melting Point	163 °C	325 °F	DSC; ISO 3146
Vicat Softening Point	155 °C @Load 1.02 kg	311 °F @Load 2.25 lb	A50; 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	
Head Temperature	210 - 220 °C	410 - 428 °F	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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