

Borealis Borcoat™ ME0433 Polyethylene Adhesive In Powder form for Steel Pipe Coating

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Borcoat ME0433 is a maleic-anhydride grafted polyethylene polymer with excellent adhesion to fusion bonded epoxy and the top-coat HDPE. Borcoat HE0433 is primarily designed to be used as the tie layer between epoxy corrosion protection layer and the top-coat polyethylene, which gives the physical protection of the pipe. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borcoat-ME0433-Polyethylene-Adhesive-In-Powder-form-for-Steel-Pipe-Coating.php

Physical Properties	Metric	English	Comments
Density	0.934 g/cc	0.0337 lb/in ³	ISO 1183/ISO 1872-2B
Melt Flow	4.0 - 6.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 - 6.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	47	47	ISO 868
Tensile Strength, Yield	18.00 MPa	2611 psi	At 50 mm/min; ISO 527-3
Elongation at Break	>= 700 %	>= 700 %	ISO 527-3
Peel Strength	>= 4.00 kN/m	>= 22.8 pli	3-layer at 80°C; DIN 30670/NFA 49-710
	>= 15.0 kN/m	>= 85.6 pli	3-layer; DIN 30670/NFA 49-710

Thermal Properties	Metric	English	Comments
Melting Point	>= 121 °C	>= 250 °F	ISO 3146
Vicat Softening Point	100 °C	212 °F	A50 (10 N); ISO 306
Brittleness Temperature	<= -80.0 °C	<= -112 °F	ASTM D746

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