

Arkema Group OREVAC® 18345 RNP Pipe Coating Binder Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , Anhydride-Modified Polyethylene

Material Notes:

OREVAC 18345 RNP is a range of modified polyethylene which, when molten, have excellent adhesive properties to various substrates and are designed to bond dissimilar materials. It is supplied in black colored powder form. The OREVAC 18345 RNP is designed for use in applications where both the adhesive performances and The mechanical and heat resistance properties of polyethylene can be exploited. These OREVAC are used as topcoat layer coatings (epoxy primer/polyethylene) for external pipe protection. It is important that the polymer is bonded chemically with the epoxy primer, this operation should take place before the complete polymerization of epoxy. OREVAC 18345 RNP is specially designed for coating field joint applications. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-OREVAC-18345-RNP-Pipe-Coating-Binder-Resin.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	ISO 1183
Particle Size	<= 125 µm	<= 125 µm	0.2
	>= 500 µm	>= 500 µm	0.03
Melt Index of Compound	8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	49	49	ISO 608
Tensile Strength at Break	13.0 MPa	1890 psi	ISO R 527
Elongation at Break	700 %	700 %	ISO R 527

Thermal Properties	Metric	English	Comments
Melting Point	121 °C	250 °F	DSC
Vicat Softening Point	88.0 °C	190 °F	ISO 306
	@Load 1.02 kg	@Load 2.25 lb	

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