

Arkema Group OREVAC® 18350P Grafted Maleic Anhydride Polyethylene

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

Material Notes:

OREVAC 18350P is a maleic anhydride grafted polyethylene used in the manufacturing of three layer MDPE and HDPE coating for steel pipeline. It is mainly used in pipe coating to have good adhesion performances between an epoxy primer and LACQTENE 2006PBK35 from Total Petrochemicals. It combined with MDPE or HDPE and a epoxy to fulfill the requirement of different application standards such as NFA 49-710 or DIN 30670 when applied in the rules of art. OREVAC 18350P is recommended for pipeline service temperature up to 80°C. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-OREVAC-18350P-Grafted-Maleic-Anhydride-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in ³	ISO 1183
Particle Size	<= 125 µm	<= 125 µm	0.1
	125 - 315 µm	125 - 315 µm	0.65
	315 - 400 µm	315 - 400 µm	0.25
	>= 400 µm	>= 400 µm	0.28
Melt Index of Compound	3.8 g/10 min	3.8 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	53	53	ISO 608
Tensile Strength, Yield	12.4 MPa	1800 psi	ISO R 527-2
Elongation at Break	>= 600 %	>= 600 %	ISO R 527-2

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	259 °F	DSC
Maximum Service Temperature, Air	<= 80.0 °C	<= 176 °F	
Vicat Softening Point	107 °C	225 °F	ISO 306
	@Load 0.999 kg	@Load 2.20 lb	

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