

Arkema Group OREVAC® 18350 Grafted Maleic Anhydride Polyethylene

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

Material Notes:

OREVAC 18350 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 18350 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-18350-Grafted-Maleic-Anhydride-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in ³	ISO 1183
Melt Index of Compound	3.8 g/10 min @Load 2.16 kg, Temperature 190 °C	3.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

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 @Load 0.999 kg	225 °F @Load 2.20 lb	ISO 306

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