

Arkema Group OREVAC® 18510P Grafted Maleic Anhydride Polyethylene

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

Material Notes:

OREVAC 18510P is a maleic anhydride grafted polyethylene used in the manufacturing of three layer MDPE or HDPE coating for steel pipeline. It is a powder product. OREVAC 18510P is mainly used in pipe coating to have good adhesion performances between an epoxy primer and the HDPE 4206 black or LACQTENE 2006PBK35 from Total Petrochemicals. OREVAC 18510P combined with MD or HDPE and a proper epoxy fulfill the requirement of different application standards such as NFA 49-710 or DIN 30670 when applied in the rules of art. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-OREVAC-18510P-Grafted-Maleic-Anhydride-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.944 g/cc	0.0341 lb/in ³	ISO 1183
Particle Size	<= 125 µm	<= 125 µm	0.15
	125 - 315 µm	125 - 315 µm	80-90%
	315 - 400 µm	315 - 400 µm	0.15
	>= 400 µm	>= 400 µm	0.05
Melt Index of Compound	5.0 g/10 min	5.0 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	65	65	ISO 608
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO R 527-2
Elongation at Break	600 %	600 %	ISO R 527-2

Thermal Properties	Metric	English	Comments
Melting Point	134 °C	273 °F	DSC
Vicat Softening Point	121 °C	250 °F	ISO 306
	@Load 0.999 kg	@Load 2.20 lb	

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