

Arkema Group OREVAC® 18319 Grafted Maleic Anhydride Polyethylene

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

Material Notes:

OREVAC 18319 is a maleic anhydride grafted polyethylene used in the manufacturing of multi-layer aluminium panels. OREVAC 18319 is mainly used in aluminium panels to have good adhesion performances between PE core and aluminium sheet. OREVAC 18319 can be extruded in a cast process as a mono-layer film to laminated between a PE and an aluminium sheets. It is also possible to extrude in a multi-layer structure (adhesive/PE/adhesive) then laminated between aluminium sheets. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-OREVAC-18319-Grafted-Maleic-Anhydride-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.945 g/cc	0.0341 lb/in ³	ISO 1183
Melt Index of Compound	1.2 g/10 min @Load 2.16 kg, Temperature 190 °C	1.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	18.0 MPa	2610 psi	ASTM D882
Tensile Strength, Yield	10.2 MPa	1480 psi	ASTM D882
Elongation at Break	600 %	600 %	ASTM D882
Elongation at Yield	2.6 %	2.6 %	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	118 °C	244 °F	DSC
Vicat Softening Point	85.0 °C @Load 0.999 kg	185 °F @Load 2.20 lb	ISO 306

Processing Properties	Metric	English	Comments
Zone 2	190 - 215 °C	374 - 419 °F	
Zone 3	210 - 230 °C	410 - 446 °F	
Zone 4	220 - 240 °C	428 - 464 °F	
Die Temperature	240 - 250 °C	464 - 482 °F	

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