

Arkema Group OREVAC® 9318 EVA Terpolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

OREVAC® is a range of ethylene-vinyl acetate copolymers modified by adjunction of polar groups which, when molten, have excellent adhesive properties to various substrates. They are supplied as free flowing natural coloured granules. Applications include blown film extrusions, cast film coextrusions, coextrusion tubes, and thermo-adhesive films. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-OREVAC-9318-EVA-Terpolymer.php

Physical Properties	Metric	English	Comments
Density	0.943 g/cc	0.0341 lb/in ³	ASTM D1505
Vinyl Acetate Content	17 - 20 %	17 - 20 %	Arkema
Melt Index of Compound	6.0 - 8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	6.0 - 8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	ASTM D2240
Tensile Strength at Break	20.0 MPa	2900 psi	ASTM D638
	24.0 MPa	3480 psi	Film Property, 50 µm thickness; ASTM D882
Tensile Strength, Yield	3.50 MPa	508 psi	ASTM D638
	4.30 MPa	624 psi	Film Property, 50 µm thickness; ASTM D882
Elongation at Break	600 - 800 %	600 - 800 %	Film Property, 50 µm thickness; ASTM D882
	600 - 900 %	600 - 900 %	ASTM D638
Dart Drop Test	250 g	0.551 lb	ASTM D1709

Thermal Properties	Metric	English	Comments
Melting Point	86.0 °C	187 °F	DSC
Vicat Softening Point	54.0 °C	129 °F	ASTM D1525
Ring & Ball Softening Point	158 °C	316 °F	

Optical Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
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MAH Mini	1600	
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