

Arkema Group EVATANE® 18-500 Copolymer Ethylene - Vinyl Acetate

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Adhesive/Sealant Grade

Material Notes:

EVATANE® 18-500 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerisation process.

EVATANE® 18-500 is stabilized with antioxidants. The High Vinyl Acetate content of EVATANE® 18-500 brings softness, flexibility and polarity. EVATANE® 18-500 is compatible with tackifying resins and waxes. Combined with a high fluidity, it's a useful product for hot melt adhesives formulation. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-EVATANE-18-500-Copolymer-Ethylene-Vinyl-Acetate.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	ISO 1183
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Vinyl Acetate Content	17 - 19 %	17 - 19 %	FTIR (internal)
Melt Index of Compound	450 - 550 g/10 min	450 - 550 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	4.00 MPa	580 psi	ASTM D638
Elongation at Break	600 - 900 %	600 - 900 %	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	78.0 °C	172 °F	DSC
Vicat Softening Point	<= 40.0 °C	<= 104 °F	ISO 306
	@Load 0.999 kg	@Load 2.20 lb	
Ring & Ball Softening Point	88.0 °C	190 °F	ASTM E28

Processing Properties	Metric	English	Comments
Processing Temperature	<= 230 °C	<= 446 °F	

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