

Arkema Group EVATANE® 33-45 Copolymer Ethylene - Vinyl Acetate

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

Material Notes:

EVATANE® 33-45 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerisation process.

EVATANE® 33-45 is stabilized with antioxidants. The High Vinyl Acetate content of EVATANE® 33-45 brings softness, flexibility and polarity. EVATANE® 33-45 is compatible with tackifying resins and waxes. It's a useful product for hot melt adhesives formulation.

EVATANE® 33-45 delivers high cohesive strength with any kind of fillers (HFFR compounds). It can also be used as an additive for crude oil (pour point depressant) or bitumen. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-EVATANE-33-45-Copolymer-Ethylene-Vinyl-Acetate.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc @Temperature 23.0 °C	0.0347 lb/in ³ @Temperature 73.4 °F	ISO 1183
Vinyl Acetate Content	32 - 34 %	32 - 34 %	FTIR (internal)
Melt Index of Compound	38 - 48 g/10 min @Load 2.16 kg, Temperature 190 °C	38 - 48 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	63	63	ASTM D2240
Tensile Strength at Break	9.00 MPa	1310 psi	ASTM D638
Elongation at Break	900 - 1100 %	900 - 1100 %	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	62.0 °C	144 °F	DSC
Vicat Softening Point	<= 40.0 °C @Load 0.999 kg	<= 104 °F @Load 2.20 lb	ISO 306
Ring & Ball Softening Point	107 °C	225 °F	ASTM E28

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

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