Arkema Group EVATANE® 40-55 Copolymer Ethylene - Vinyl Acetate

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

Material Notes:

EVATANE® 40-55 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radicalar polymerisation process. It's stabilized with antioxidants and contains slip and antiblock additives. The High Vinyl Acetate content of EVATANE® 40-55 brings softness, flexibility, polarity and high solubility. EVATANE® 40-55 is compatible with tackifying resins and waxes. Combined with a high fluidity, it's a useful product for hot melt adhesives formulation. It can be compounded with high levels of filler for HFFR cable applications. EVATANE® 40-55 is also a material of choice for solvent base adhesives and inks formulation.Information provided by Arkema Group

Order this product through the following link:
http://www.lookpolymers.com/polymer_Arkema-Group-EVATANE-40-55-Copolymer-Ethylene-Vinyl-Acetate.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc @Temperature 23.0 °C	0.0347 lb/in³ @Temperature 73.4 °F	ISO 1183
Vinyl Acetate Content	38 - 41 %	38 - 41 %	FTIR (internal)
Melt Index of Compound	48 - 62 g/10 min @Load 2.16 kg, Temperature 190 °C	48 - 62 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	ASTM D2240
Tensile Strength at Break	7.00 MPa	1020 psi	ASTM D638
Elongation at Break	900 - 1100 %	900 - 1100 %	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	54.0 °C	129 °F	DSC
Vicat Softening Point	<= 40.0 °C @Load 1.02 kg	<= 104 °F @Load 2.25 lb	ISO 306
Ring & Ball Softening Point	97.0 °C	207 °F	ASTM E28

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

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