

EVATANE[®] 33-45

EVATANE[®] 33-45 is a random ethylene-vinyl acetate copolymer.

- The high Vinyl Acetate content of EVATANE[®] 33-45 brings softness, flexibility and polarity. EVATANE[®] 33-45 is compatible with most tackifying resins and waxes. It is an efficient and easy handling product for hot melt adhesives formulations.
- EVATANE[®] 33-45 delivers high cohesive strength with most fillers and can be used to produce HFFR compounds. It can also be used as an additive for crude oil (pour point depressant), or bitumen modification. It is an ideal base polymer for semi-conductive compounds for medium voltage cables.

Typical Properties

	Test Method	Unit	Typical Value
Vinyl Acetate Content	FTIR (internal method)	%wt.	33
Melt Index (190°C/2.16kg)	ISO 1133	g/10min.	45
Melting Point	ISO 11357	°C	62
Density	ISO 1183 / ASTM D792	g/cm ³	0.96
Vicat Softening Temperature (10N) ¹	ISO 306	°C	<40
Tensile Strength at Break ¹	ISO 527 / ASTM D638	MPa	9
Elongation at Break ¹	ISO 527 / ASTM D638	%	1100
Hardness Shore A ¹	ISO 868 / ASTM D2240		63
Ring & Ball Temperature	ASTM E28 / NF EN 1238	°C	107

¹: On compression molded samples.

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Processing

EVATANE® 33-45 can be processed on most conventional equipment used for thermoplastics. It is recommended to avoid melt temperatures above 230°C and to purge the equipment after a run is completed.

Storage, Handling & Safety

EVATANE® 33-45 should be stored in a ventilated area, away from heat, humidity and direct sunlight. Improper storage conditions may cause degradation and could have consequences on physical properties of the product.

Safety data sheet as well as information on handling and storage of the EVATANE® 33-45 are available upon request to your SK Functional Polymer representative or at www.sk-fp.com.

Shelf Life

Three years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.