

## EVATANE<sup>®</sup> 33-45

EVATANE<sup>®</sup> 33-45 is a random ethylene-vinyl acetate copolymer.

- The high Vinyl Acetate content of EVATANE<sup>®</sup> 33-45 brings softness, flexibility and polarity. EVATANE<sup>®</sup> 33-45 is compatible with most tackifying resins and waxes. It is an efficient and easy handling product for hot melt adhesives formulations.
- EVATANE<sup>®</sup> 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 / ASTM D1238	g/10min.	45
Melting Point	ISO 11357-3	°C	62
Density	ISO 1193 / ASTM D150	g/cm <sup>3</sup>	0.94
Vicat Softening Temperature (10N) <sup>1</sup>	ISO 306 / ASTM D1525	°C	<40
Ring & Ball Temperature	ASTM E28 / NF EN 1238	°C	107
Elongation at Break <sup>1</sup>	ISO 527-2 / ASTM D638	%	1100
Tensile Strength at Break <sup>1</sup>	ISO 527-2 / ASTM D638	MPa	9
Hardness Shore A <sup>1</sup>	ISO 868 / ASTM D2240		63

<sup>1</sup>: On compression molded samples.

## **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 standard conditions and protected from UV-light. 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.

## **Shelf Life**

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

*The information above is believed to be accurate and represents the best information currently available to us. Your attention is directed to the pertinent Material Safety Data Sheets for the products mentioned herein. All sales are subject to SK Corporation's standard terms and conditions of sale, copies of which are available upon request and which are part of SK Functional Polymer invoices and/or order acknowledgments. Except as expressly provided in SK Corporation's standard terms and conditions of sale, SK Corporation makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and SK Corporation assumes no liability from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. SK Functional Polymer is a subsidiary of SK Global Chemical.*