

# EVATANE<sup>®</sup> 18-150

EVATANE<sup>®</sup> 18-150 is a random ethylene-vinyl acetate copolymer.

- The high Vinyl Acetate content of EVATANE<sup>®</sup> 18-150 brings softness, flexibility and polarity. EVATANE<sup>®</sup> 18-150 is compatible with most tackifying resins and waxes.
- Combined with a high fluidity, it is an efficient and easy handling product for hot melt adhesives formulations. It can also be used as an additive for crude oil (pour point depressant), bitumen modification and cables compounds.

## Typical Properties

	Test Method	Unit	Typical Value
Vinyl Acetate Content	FTIR (internal method)	%.-wt.	18
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	150
Melting Point	ISO 11357-3	°C	88
Density	ISO 1193 / ASTM D150	g/cm <sup>3</sup>	0.94
Vicat Softening Temperature (10N) <sup>1</sup>	ISO 306 / ASTM D1525	°C	43
Ring & Ball Temperature	ASTM E28 / NF EN 1238	°C	102
Elongation at Break <sup>1</sup>	ISO 527-2 / ASTM D638	%	500
Tensile Strength at Break <sup>1</sup>	ISO 527-2 / ASTM D638	MPa	10
Hardness Shore A <sup>1</sup>	ISO 868 / ASTM D2240		85

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

## **Processing**

EVATANE® 18-150 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® 18-150 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® 18-150 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.*