

EVATANE[®] 18-500

EVATANE[®] 18-500 is a random ethylene-vinyl acetate copolymer.

- The high Vinyl Acetate content of EVATANE[®] 18-500 brings softness, flexibility and polarity. EVATANE[®] 18-500 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 bitumen modification.

Typical Properties

Characteristic	Test Method	Unit	Typical Value
Vinyl Acetate Content	FTIR (internal method)	%.-wt.	18
Melt Index (190°C/2.16kg)	ISO 1133	g/10min.	500
Melting Point	ISO 11357-3	°C	86
Density	ISO 1183	g/cm ³	0.94
Vicat Softening Temperature (10N) ¹	ISO 306 / ASTM D1525	°C	43
Ring & Ball Temperature	ASTM E28 / NF EN 1238	°C	94
Elongation at Break ¹	ISO 527-2 / ASTM D638	%	900
Tensile Strength at Break ¹	ISO 527-2 / ASTM D638	MPa	6
Hardness Shore A ¹	ISO 868 / ASTM D2240		90

¹: On compression molded samples.

Processing

EVATANE® 18-500 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® 18-500 should be stored away from heat, humidity and 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® 18-500 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.