

# EVATANE® 18-500

## Ethylene – Vinyl Acetate (VA) copolymer with high VA content

### DESCRIPTION

EVATANE® 18-500 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerization process.

### TYPICAL PROPERTIES

| Characteristics              | Value   | Unit              | Test Method            |
|------------------------------|---------|-------------------|------------------------|
| Vinyl Acetate content        | 17-19   | % Wt              | FTIR (Internal Method) |
| Melt Index (190°C / 2.16 kg) | 450-550 | g/10min           | ISO 1133 / ASTM D1238  |
| Density (23°C)               | 0.94    | g/cm <sup>3</sup> | ISO 1183               |
| Melting point                | 86      | °C                | ISO 11357-3            |
| Vicat softening point (10N)  | 43      | °C                | ISO 306 / ASTM D1525   |
| Ring & Ball temperature      | 94      | °C                | ASTM E28 / NF EN 1238  |
| Elongation at break          | 600-900 | %                 | ISO 527 / ASTM D638    |
| Tensile strength at break    | 6       | MPa               | ISO 527 / ASTM D638    |
| Hardness Shore A             | 90      | -                 | ISO 868 / ASTM D2240   |

### APPLICATIONS

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 for bitumen modification.

For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.

### PROCESSING

EVATANE® 18-500 can be processed on most conventional equipments used for thermoplastics. It is recommended to avoid melt temperatures above 230°C and to purge the equipment after a run is completed.

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## STORAGE, HANDLING AND SAFETY

EVATANE® 18-500 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® 18-500 is available upon request to your ARKEMA representative or on the web site [evatane.com](http://evatane.com).

## SHELF LIFE

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

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