

## COPOLYMER Ethylene – Vinyl Acetate (VA) with high content of VA

### Description

EVATANE<sup>®</sup> 24-03 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerisation process. EVATANE<sup>®</sup> 24-03 is stabilized with antioxidants.

### Main application

The High Vinyl Acetate content of EVATANE<sup>®</sup> 24-03 brings softness, flexibility and polarity. EVATANE<sup>®</sup> 24-03 delivers high cohesive strength with any kind of fillers (masterbatches, HFFR compounds). EVATANE<sup>®</sup> 24-03 is also very well adapted for the production of cast or blown films. It can also be used as an additive for bitumen.

### Specified properties

| Characteristics              | Value     | Unit   | Test Method     |
|------------------------------|-----------|--------|-----------------|
| Vinyl Acetate Content        | 23 - 25   | % wt   | FTIR (Internal) |
| Melt Index (190°C / 2.16 kg) | 2.5 – 3.5 | g/10mn | ASTM D 1238     |

### Physical properties

| Characteristics              | Value   | Unit              | Test Method            |
|------------------------------|---------|-------------------|------------------------|
| Density (23°C)               | 0.94    | g/cm <sup>3</sup> | ISO 1183               |
| Melting point                | 80      | °C                | DSC                    |
| Vicat softening point (1 kg) | 46      | °C                | ASTM D 1525 / ISO 306  |
| Ring & Ball temperature      | 183     | °C                | ASTM E28               |
| Elongation at break          | 600-900 | %                 | ASTM D 638 / ISO R 527 |
| Tensile strength at break    | 27      | MPa               | ASTM D 638 / ISO R 527 |
| Hardness Shore A             | 83      | -                 | ASTM D 2240 / ISO 868  |

### Processing

EVATANE<sup>®</sup> 24-03 can be processed on any kind of conventional equipment used for thermoplastics. EVATANE<sup>®</sup> 24-03 should not be overheated during processing and It is recommended to do not have melt temperatures above 230°C and to purge the equipment after a run is completed.

### Storage

EVATANE<sup>®</sup> 24-03 is available in pellet form and commonly packed in 25 kg PE bags on palettes of 1.375 tons. Other packaging can be considered (ask your Arkema's representative).

### Precautions of use

A safety data sheet as well as information on handling and storage of the EVATANE<sup>®</sup> 24-03 are available close to your correspondent ARKEMA or on the site [www.arkema.com](http://www.arkema.com) under heading FDS/MSDS.

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