

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

### Description

EVATANE<sup>®</sup> 18-150 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerization process.

### Applications

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. EVATANE<sup>®</sup> 18-150 delivers high cohesive strength with a large range of fillers and may be used to produce masterbatches or compounds.

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

### Typical properties

Characteristics	Value	Unit	Test Method
Vinyl Acetate Content	17-19	% Wt	FTIR (Internal Method)
Melt Index (190°C / 2.16 kg)	135-175	g/10min	ISO 1133 / ASTM D1238
Density (23°C)	0.94	g/cm <sup>3</sup>	ISO 1183
Melting point	88	°C	ISO 11357-3
Vicat softening point (10N)	47	°C	ISO 306 / ASTM D1525
Ring & Ball temperature	102	°C	ASTM E28
Elongation at break	300-500	%	ISO 527 / ASTM D638
Tensile strength at break	10	MPa	ISO 527 / ASTM D638
Hardness Shore A	85	-	ISO 868 / ASTM D2240

### Processing

EVATANE<sup>®</sup> 18-150 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.

### Storage, handling and safety

EVATANE<sup>®</sup> 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<sup>®</sup> 18-150 is available upon request to your ARKEMA representative or on the web site [www.evatane.com](http://www.evatane.com).

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