

Ethylene – Vinyl Acetate (VA) copolymer with high VA content**Description**

EVATANE[®] 33-400 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerization process.

Applications

The high Vinyl Acetate content of **EVATANE[®] 33-400** brings softness, flexibility and polarity. **EVATANE[®] 33-400** is compatible with tackifying resins and waxes. Combined with a high fluidity, it is an efficient and easy handling product for hot melt adhesives formulations.

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	32-34	% Wt	FTIR (Internal Method)
Melt Index (190°C / 2.16 kg)	350-450	g/10min	ISO 1133 / ASTM D 1238
Density (23°C)	0.96	g/cm ³	ISO 1183
Melting point	63	°C	ISO 11357-3
Vicat softening point (10N)	<40	°C	ISO 306 / ASTM D 1525
Ring & Ball temperature	84	°C	ASTM E28
Elongation at break	400-600	%	ISO 527 / ASTM D 638
Tensile strength at break	4	MPa	ISO 527 / ASTM D 638
Hardness Shore A	67	-	ISO 868 / ASTM D 2240

Processing

EVATANE[®] 33-400 can be processed on any kind of 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 and safety

EVATANE[®] 33-400 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. Due to its physical properties (Vicat temperature <40°C), it may be possible that the product shows some caking. This is particularly true during summer time.

Safety data sheet as well as information on handling and storage of the **EVATANE[®] 33-400** is available upon request to your ARKEMA representative or on the web site www.evatane.com.

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