

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

EVATANE[®] 28-05 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerization process.

Applications

The high Vinyl Acetate content of **EVATANE[®] 28-05** brings softness, flexibility and polarity. **EVATANE[®] 28-05** delivers high cohesive strength with most fillers and may be used to produce masterbatches or HFFR compounds. **EVATANE[®] 28-05** is also suitable for film (cast or blown) extrusion, and exhibits good adhesion onto PE, PS and polyesters. It can be used to produce medium and high voltage cable semi-conductive compounds and to improve stress-cracking resistance of jackets. 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	27-29	% Wt	FTIR (Internal Method)
Melt Index (190°C / 2.16 kg)	5-8	g/10min	ISO 1133 / ASTM D1238
Density (23°C)	0.95	g/cm ³	ISO 1183
Melting point	72	°C	ISO 11357-3
Vicat softening point (10N)	40	°C	ISO 306 / ASTM D1525
Ring & Ball temperature	160	°C	ASTM E28
Elongation at break	700-1000	%	ISO 527 / ASTM D638
Tensile strength at break	24	MPa	ISO 527 / ASTM D638
Hardness Shore A	80	-	ISO 868 / ASTM D2240

Processing

EVATANE[®] 28-05 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[®] 28-05 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[®] 28-05** is available upon request to your ARKEMA representative or on the web site www.evatane.com.

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