

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

Description

EVATANE[®] 28-800 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerization process.

Applications

The high Vinyl Acetate content of EVATANE[®] 28-800 brings softness, flexibility and polarity. EVATANE[®] 28-800 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[®] 28-800 delivers high cohesive strength with most fillers and may be used to produce masterbatches. It can also be used as an additive for crude oil (pour point depressant) and as a processing aid for various EVA based compounds such as HFFR formulations for wires and cables.

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	30-32	% Wt	FTIR (Internal Method)
Melt Index (190°C / 2.16 kg)	700-900	g/10min	ISO 1133 / ASTM D1238
Density (23°C)	0.95	g/cm ³	ISO 1183
Melting point	63	°C	ISO 11357-3
Vicat softening point (10N)	<40	°C	ISO 306 / ASTM D1525
Ring & Ball temperature	80	°C	ASTM E28
Elongation at break	400-600	%	ISO 527 / ASTM D638
Tensile strength at break	3	MPa	ISO 527 / ASTM D638
Hardness Shore A	60	-	ISO 868 / ASTM D2240

Processing

EVATANE[®] 28-800 can be processed on most conventional equipments used for thermoplastics. It is recommended to avoid temperatures above 230°C and to purge the equipment after a run is completed.

Storage, handling and safety

EVATANE[®] 28-800 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[®] 28-800 is available upon request to your ARKEMA representative or on the web site www.evatane.com.

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