

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

Description

EVATANE[®] 18-500 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerisation process. EVATANE[®] 18-500 is stabilized with antioxidants.

Main application

The High Vinyl Acetate content of EVATANE[®] 18-500 brings softness, flexibility and polarity. EVATANE[®] 18-500 is compatible with tackifying resins and waxes. Combined with a high fluidity, it's a useful product for hot melt adhesives formulation.

Specified properties

Characteristics	Value	Unit	Test Method
Vinyl Acetate Content	17 - 19	% wt	FTIR (internal)
Melt Index (190°C / 2.16 kg)	450 - 550	g/10mn	ASTM D 1238

Physical properties

Characteristics	Value	Unit	Test Method
Density (23°C)	0.93	g/cm ³	ISO 1183
Melting point	78	°C	DSC
Vicat softening point (1 kg)	<40	°C	ASTM D 1525 / ISO 306
Ring & Ball temperature	88	°C	ASTM E28
Elongation at break	600-900	%	ASTM D 638 / ISO R 527
Tensile strength at break	4	MPa	ASTM D 638 / ISO R 527
Hardness Shore A	80	-	ASTM D 2240 / ISO 868

Processing

EVATANE[®] 18-500 can be processed on any kind of conventional equipment used for thermoplastics. EVATANE[®] 18-500 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[®] 18-500 is available in pellet form and commonly packed in 25 kg PE bags on pallets 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[®] 18-500 is available close to your correspondent ARKEMA or on the site www.arkema.com under heading FDS/MSDS.

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