

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

Description

EVATANE[®] 20-20 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerisation process. EVATANE[®] 20-20 is stabilized with antioxidants.

Main application

The High Vinyl Acetate content of EVATANE[®] 20-20 brings softness, flexibility and polarity. EVATANE[®] 20-20 is compatible with tackifying resins and waxes. It's a useful product for hot melt adhesives formulation. EVATANE[®] 20-20 can also be used as a matrix to produce foams, cable compounds or as an additive for bitumen.

Specified properties

Characteristics	Value	Unit	Test Method
Vinyl Acetate Content	19 - 21	% wt	FTIR (Internal)
Melt Index (190°C / 2.16 kg)	17 - 23	g/10mn	ASTM D 1238

Physical properties

Characteristics	Value	Unit	Test Method
Density (23°C)	0.94	g/cm ³	ISO 1183
Melting point	82	°C	DSC
Vicat softening point (1 kg)	47	°C	ASTM D 1525 / ISO 306
Ring & Ball temperature	127	°C	ASTM E28
Elongation at break	600-900	%	ASTM D 638 / ISO R 527
Tensile strength at break	14	MPa	ASTM D 638 / ISO R 527
Hardness Shore A	82	-	ASTM D 2240 / ISO 868

Processing

EVATANE[®] 20-20 can be processed on any kind of conventional equipment used for thermoplastics. EVATANE[®] 20-20 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[®] 20-20 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[®] 20-20 are available close to your correspondent ARKEMA or on the site www.arkema.com under heading FDS/MSDS.

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