

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

Description

EVATANE 42-60 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerisation process. **EVATANE 42-60** is stabilized with antioxidants and contains slip and antiblock additives.

Main application

EVATANE 42-60 is readily dissolved into solvent and can be used in inks or solvent adhesives. The High Vinyl Acetate content of **EVATANE 42-60** brings softness, flexibility, polarity and high solubility.

Specified properties

Characteristics	Value	Unit	Test Method
Vinyl Acetate Content	41 - 44	% wt	FTIR (internal)
Melt index (190°C / 2.16 kg)	55 - 80	g/10mn	ASTM D 1238

Physical properties

Characteristics	Value	Unit	Test Method
Density (23°C)	0.96	g/cm ³	ISO 1183
Melting point	48	°C	DSC
Vicat softening point (10 N)	<40	°C	ASTM D 1525 / ISO 306
Elongation at break	900-1100	%	ASTM D 638 / ISO 527
Tensile strength at break	5	MPa	ASTM D 638 / ISO 527
Hardness Shore A	42	-	ASTM D 2240 / ISO 868
Ring and ball temperature	95		ASTM E 28

Processing

EVATANE 42-60 can be processed on any kind of conventional equipment used for thermoplastics but should not be overheated during processing above 230°C.

EVATANE 42-60 is soluble in aromatic solvent like toluene up to 35%, benzene up to 25% at R.T. Partially soluble up to 15% in MEK, MIBK and DIBK. It is Insoluble in alcohols.

Storage

EVATANE 42-60 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 42-60** is available close to your correspondent ARKEMA or on the site www.arkema.com under heading FDS/MSDS.

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