+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

EVATANE® 33-45

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

Description

EVATANE® 33-45 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radicalar polymerisation process. **EVATANE® 33-45** is stabilized with antioxidants.

Main application

The High Vinyl Acetate content of **EVATANE® 33-45** brings softness, flexibility and polarity. **EVATANE® 33-45** is compatible with tackifying resins and waxes. It's a useful product for hot melt adhesives formulation. **EVATANE® 33-45** delivers high cohesive strength with any kind of fillers (HFFR compounds). It can also be used as an additive for crude oil (pour point depressant) or bitumen.

Specified properties

Characteristics	Value	Unit	Test Method
Vinyl Acetate Content	32 - 34	% wt	FTIR (Internal)
Melt Index (190°C / 2.16 kg)	38 - 48	g/10mn	ASTM D 1238

Physical properties

Characteristics	Value	Unit	Test Method
Density (23°C)	0.96	g/cm^3	ISO 1183
Melting point	62	°C	DSC
Vicat softening point (1 kg)	<40	°C	ASTM D 1525 / ISO 306
Ring & Ball temperature	107	°C	ASTM E28
Elongation at break	900-1100	%	ASTM D 638 / ISO R 527
Tensile strength at break	9	MPa	ASTM D 638 / ISO R 527
Hardness Shore A	63	-	ASTM D 2240 / ISO 868

Processing

EVATANE® 33-45 can be processed on any kind of conventional equipment used for thermoplastics.
EVATANE® 33-45 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® 33-45 is available in pellet form and commonly packed in 25 kg PE bags on palettes of 1.375 tons. Other packaging can be considered (ask your Arkema's representative).