

EVATANE[®] 33-45 PV

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

DESCRIPTION

EVATANE[®] 33-45 PV is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerization process.

TYPICAL PROPERTIES

Characteristics	Value	Unit	Test Method
Vinyl Acetate content	32-34	% Wt	FTIR (Internal Method)
Melt Index (190°C / 2.16 kg)	38-48	g/10min	ISO 1133 / ASTM D1238
Density (23°C)	0.96	g/cm ³	ISO 1183
Melting point	62	°C	ISO 11357-3
Vicat softening point (10N)	<40	°C	ISO 306 / ASTM D1525
Ring & Ball temperature	107	°C	ASTM E28 / NF EN 1238
Elongation at break	900-1100	%	ISO 527 / ASTM D638
Tensile strength at break	9	MPa	ISO 527 / ASTM D638
Hardness Shore A	63	-	ISO 868 / ASTM D2240

APPLICATIONS

EVATANE[®] 33-45 PV is exclusively dedicated to photovoltaic encapsulant films applications. The high Vinyl Acetate content of EVATANE[®] 33-45 PV brings transparency, flexibility and softness. It exhibits high dimensional stability when used in cross-linked formulations.

For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.

PROCESSING

EVATANE[®] 33-45 PV can be processed on most conventional equipments used for thermoplastics. It is recommended to avoid melt temperatures above 230°C and to purge the equipment after a run is completed.

EVATANE® 33-45 PV

STORAGE, HANDLING AND SAFETY

EVATANE® 33-45 PV 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® 33-45 PV is available upon request to your ARKEMA representative or on the web site evatane.com.

SHELF LIFE

Two years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

April 2014

The products described in the brochure are not Medical grades designated for Medical Device applications. Arkema has implemented an internal Medical Policy regarding the use of Arkema products in Medical Devices applications that are in contact with the body or circulating bodily fluids. Arkema has designated Medical grades to be used for such Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications that are in contact with the body or circulating bodily fluids. In addition, except for limited cases as determined by the Medical Device Policy, Arkema strictly prohibits the use of any Arkema products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days.

For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

See MSDS for Health & Safety Considerations