SK functional polymer

Technical Data Sheet
Date Prepared: March 2020

EVATANE® 33-45 PV

EVATANE® 33-45 PV is a random ethylene-vinyl acetate copolymer.

- 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

Typical Properties

	Test Method	Unit	Typical Value
Vinyl Acetate Content	FTIR (internal method)	%.-wt.	33
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	45
Melting Point	ISO 11357-3	°C	62
Density	ISO 1193 / ASTM D150	g/cm^3	0.94
Vicat Softening Temperature (10N)[1]	ISO 306 / ASTM D1525	°C	<40
Ring & Ball Temperature	ASTM E28 / NF EN 1238	°C	107
Elongation at Break[1]	ISO 527-2 / ASTM D638	%	1100
Tensile Strength at Break[1]	ISO 527-2 / ASTM D638	MPa	9
Hardness Shore A[1]	ISO 868 / ASTM D2240		63

[1]: On compression molded samples.

Processing

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

Storage, Handling & 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 are available upon request to your SK Functional Polymer representative.

Shelf Life

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