SK functional polymer

Technical Data Sheet

EVATANE® 33-45 PV

EVATANE® 33-45 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.

Typical Properties

	Test Method	Unit	Typical Value
Vinyl Acetate Content	FTIR (internal method)	%.-wt.	33
Melt Index (190°C/2.16kg)	ISO 1133	g/10min.	45
Melting Point	ISO 11357-3	°C	62
Density	ISO 1183	g/cm^3	0.96
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 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 should be stored away from heat, humidity and UV-light. Improper storage conditions may cause degradation and could have consequences on physical properties of the product.