

Evatane® 33-45 PV

Ethylene Vinyl Acetate Copolymer

Arkema

Message:

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

General Information			
Features	Crosslinkable		
	Good Dimensional Stability		
	Good Flexibility		
	Random Copolymer		
	Soft		
Uses	Film		
	Solar Panels		
Appearance	Clear/Transparent		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	38 to 48	g/10 min	ASTM D1238, ISO 1133
Vinyl Acetate Content	32.0 to 34.0	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	63		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	9.00	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	900 to 1100	%	ASTM D638, ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	< 40.0	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	62.0	°C	ISO 11357-3
Ring and Ball Softening Point ²	107	°C	ASTM E28
NOTE			
1.	Loading 1 (10 N)		
2.	NF EN 1238		

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