

ALISHAN EPE ENCAPSULANT

Alishan EPE is multilayer coextruded film of EVA-POE manufactured by Alishan Green Energy with the cutting edge manufacturing facility. Alishan EPE is suitable for TopCon, PERC and HJT technologies for M10 or G12 configurations. Alishan EPE ensures acid free environment inside the module and hence provides excellent suitability with any metal grid.

Product	Alishan EPE			
Linear meter	Up to 300 meters			
Width	Up to 1350 mm			
Thickness	Up to 0.80 mm			
Properties	Description	Standard	UOM	Alishan EPE
Physical properties	Tensile strength		MPa	12 ± 3
	Elongation		%	500
	Adhesion with Glass		N/cm	75
	Adhesion with Backsheet		N/cm	75
Thermal Property	Thermal Shrinkage	160 Deg C / 5 min	%	MD 3
				TD 1
Electrical Property	Volume resistivity	ASTM D257-14	Ohm. cm	>1×10 ¹⁵
Gel content		ASTM D 2765	%	> 75
Optical Properties	Transmittance		%	90
	Yellowness Index		-	1
Lamination Parameters			UOM	Values
	Vacuum / Evacuation Time		Minutes	5 - 8
	Lamination / Pressing Time		Minutes	10 - 14
	Lamination Temperature		°C	120 – 150

Packing

The EPE rolls are wound a standard 3 inches (inner diameter) paper core, the standard length of EPE film in a roll is up to 300 meters.

Storage

Must be stored in a dry and temperature of 30 and humidity 60%, the shelf life of this product is 9 months from the date of manufacturing. Each roll was wrapped in polyethylene film and placed in a carton box and 9 boxes are placed in a pallet.