

ALISHAN POE ENCAPSULANT

Alishan POE is Polyolefin based encapsulant manufactured by Alishan Green Energy Private Limited, in the world class manufacturing technology and proven raw materials. Alishan POEs are excellent PID and snail trail resistant and suitable for both Glass – Glass and Glass – back sheet modules. Our POE ensures the reliability and life of solar modules in the field.

Product	Alishan POE			
Linear meter	Upto 150 meters			
Width	Upto 1350 mm			
Thickness	Upto 0.80 mm			
Properties	Description	Standard	UOM	Alishan POE
Physical property	Tensile strength	ASTM D 638	Mpa	12 ± 3
	Elongation		%	≥ 500
	Adhesion with Glass	ASTM D 903	N/cm	≥ 70
	Adhesion with Backsheet		N/cm	≥ 70
Thermal Property	Thermal Shrinkage	160 Deg C / 5 min	%	MD ≤ 3 TD ≤ 1
Electrical Property	CTI(Comparative Tracking Index)	IEC 60112	V	600
Gel content		ASTM D 2765	%	50 – 85
Optical Property	Transmittance	ASTM E 424	%	≥ 90
	UV cut off		nm	360 ± 30
	Yellow index		-	≤ 1
Lamination Property	Lamination Parameters		UOM	Values
	Vacuum / Evacuation Time		Minutes	6 – 10
	Lamination / Pressing Time		Minutes	12 – 16
	Lamination Temperature		°C	140 – 160

Packing

The POE rolls are wound on a standard 3 inches (inner diameter) paper core, the standard length of EVA film in a roll is 150 meters. Each roll was wrapped in polyethylene film and placed in a carton box and 9 boxes were placed in a pallet.

Storage

Must be stored in a dry and temperature of ≤ 30°C and humidity ≤ 60%, the shelf life of this product is 6 months from the date of manufacturing.