

# Alishan FC EVA Encapsulant

Alishan FC is one of the fast cure variants of EVA encapsulants manufactured by Alishan Green Energy Private Limited, in the world class manufacturing technology and proven raw materials. Alishan EVA's are PID and snail trail resistant. Our EVA ensures the reliability and life of solar modules in the field, these fast cure EVA encapsulants can be laminated at upto 15 minutes at a temperature varying from 140 - 150 °C

Product	Alishan FC			
Linear meter	Upto 150 meters			
Width	Upto 1350 mm			
Thickness	Upto 0.80 mm			
Properties	Description	Standard	UOM	Alishan FC
Physical property	Tensile strength	ASTM D 638	Mpa	≥ 16
	Elongation		%	≥ 600
	Adhesion with Glass	ASTM D 903	N/cm	≥ 75
	Adhesion with Backsheet		N/cm	≥ 75
Thermal Property	Thermal Shrinkage	160 Deg C / 5 min	%	MD ≤ 2 TD ≤ 1
Gel content		ASTM D 2765	%	≥ 75
Optical Property	Transmittance	ASTM E 424	%	≥ 91
	UV cutoff		nm	360 ± 30
	Yellow index		-	≤ 1
Lamination Property			UOM	Values
	Vacuum / Evacuation Time		Minutes	4 - 6
	Lamination / Pressing Time		Minutes	8 - 10
	Lamination Temperature		°C	140 – 150

## Packing:

The EVA rolls is wound on standard 3 inch (inner diameter) paper core, standard length of EVA film in a roll is 150 meter. Each roll wrapped in polyethylene film and placed in a carton box and 9 boxes placed in a pallet

## Storage:

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