

ALISHAN UFC EVA ENCAPSULANT

Alishan UFC is one of the ultra-fast cure variants of EVA encapsulants manufactured by Alishan Green Energy Private Limited, in the world class manufacturing technology and proven raw materials. Alishan EVAs are PID and snail trail resistant. Our EVA ensures the reliability and life of solar modules in the field, these ultra-fast cure EVA encapsulants can be laminated at upto 12 minutes at a temperature varying from 140 - 150° C.

Product	Alishan UFC			
Linear meter	Up to 300 meters			
Width	Up to 1350 mm			
Thickness	Up to 0.80 mm			
Properties	Description	Standard	UOM	Alishan UFC
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
	VA Content	COA	%	28 ± 2
Moisture Property	MVTR	ASTM F 1249	g/m ² /day	≤ 18
	Water absorption	ISO 62	%	≤ 0.1
Thermal Property	Thermal Shrinkage	160 Deg C / 5 min	%	MD ≤ 3 TD ≤ 1
	Thermal conductivity	ISO 22007	w/mK	0.2475
Electrical Property	Di-electric Strength	ASTM D 149	kV/mm	32
	CTI(Comparative Tracking Index)	IEC 60112	V	600
	Volume resistivity	ASTM 257-14	Ohm/cm	2.48×10 ¹⁵
Gel content		ASTM D 2765	%	≥ 75
Optical Property	Transmittance	ASTM E 424	%	≥ 91
	UV cut off		nm	360 ± 30
	Yellow index		-	≤ 1
	Refractive index	ASTM D 1218	-	14,856
Lamination Property			UOM	Values
	Vacuum / Evacuation Time		Minutes	3 - 4
	Lamination / Pressing Time		Minutes	6 - 8
	Lamination Temperature		°C	140 - 150

Packing

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

