

ALISHAN UFC - T EVA ENCAPSULANT

Alishan FC - T 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. This is especially meant for front/top EVA with transparency and better PID resistance. Our EVA ensures the reliability and life of solar modules in the field, these ultra-fast cures EVA encapsulants can be laminated for up to 12 minutes at a temperature varying from 140 - 150° C.

Product	Alishan UFC - T			
Linear meter	Up to 300 meters			
Width	Up to 1350 mm			
Thickness	Up to 0.80 mm			
Properties	Description	Standard	UOM	Alishan UFC - T
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	-
	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.

