

Vishakha FC - II is an Ethylene Vinyl Acetate based encapsulant for the manufacturing of Solar PV modules. It is one of the Ultra-Fast Curable variant of EVA encapsulants manufactured in Vishakha Renewables with lamination time of less than 12 minutes.

Lamination Properties	Parameters	Unit	Values
	Vacuum/ Evacuation Time	Minutes	3 - 4
	Lamination/Pressing Time	Minutes	7 - 8
	Lamination Temperature	°C	142 – 146
	Gel Content - as per ASTM D 2765 – Soxhlet Method	%	≥80

The convincing extrusion technology for the production of solar encapsulant film for PV-module results in low thermal shrinkage & high optical transmission, there by higher output of the modules.

With the state of art extruder, both side embossed encapsulant is supplied with the below properties

Parameters	Test Standard	Unit	Values
Thickness	ASTM D 6988	µm	>600
Width	Scale	mm	Upto 1300 mm
Optical Transmission	ASTM E 424	%	≥ 92
UV Cut off (For back EVA)	ASTM E 424	nm	360 ± 3
Volume Resistivity	ASTM D 257	Ohm.cm	≥ 1x10 <sup>15</sup>
Dielectric Strength	ASTM D 149	kV/mm	> 25
Comparative track index	IEC 60112: 2020	Volt	> 600
Yellowness Index (after DH, ΔYI)	ASTM E 313	NA	< 1
Tensile Strength	ASTM D 638	MPa	≥ 18
Elongation	ASTM D 638	%	≥ 800
Shore Hardness	ASTM D 2240	Shore A	80 ± 2
Peel strength with Glass	ASTM D 903	N/cm	≥ 75
Peel strength with Back sheet	ASTM D 903	N/cm	≥ 75
Linear Dimensional Change	ASTM D 1204	%	< 2

**UL recognised under File No : QIHE2 - E485922**

Storage Condition : To be stored in sealed packing at temperature < 30 °C & Humidity < 60%

% Shelf life : It is recommended to use within 9 months from the date of manufacture Supply  
: Rolls of 150 linear meter & Pallets suitable for export

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The above properties are typical range of properties and not to be used for designing or establishing the limits of specifications