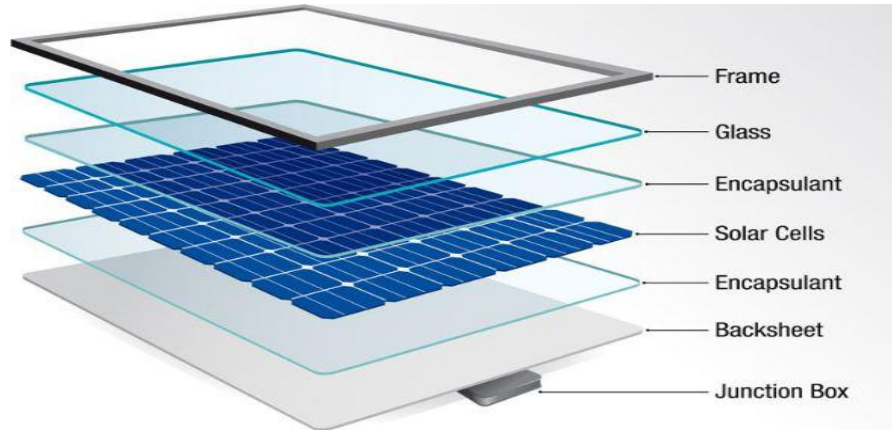




SOLAR-SPECIALITY FILMS

P R I V A T E L I M I T E D



Solar PV Encapsulant

SSF01-UCR

It is a ultra fast cure, UV and weather stable EVA solar PV Encapsulant. It has wide process window, proven for single stage as well as short cycle multi stage lamination processes. This Encapsulant can be used for all Crystalline and many Thin-Film PV Modules. It has standard UV cut off wavelength.



UL Certified. Refer file No. E535681

www.solarspecialityfilms.com

Ph No: +91 97733 50847, +91 97733 50849, Email: info@solarspecialityfilms.com

Corporate Office: Room No. 10, Samodia Tower, Opp. City Center Dudu Bagh, Sansarchand Road, Jaipur- 302001

Factory Address: Aaraji No. 94, NH 79, Near RTO Check Post, Village - Nayagaon, Tehsil - Jawad, Dist.- Neemuch, Madhya Pradesh PIN 458468

PROPERTIES

Parameters	Values	Unit	Test Method
Thickness	450 to 800	μ	ASTM D 6988 - 08
Width	Up to 1300	mm	Scale
Melting Point	70±2	°C	ISO 11357 - 3
Surface type	-	-	Inside: Matt; Outside: Embossed
Tensile Strength	15 ± 3	Mpa	ASTM D 638
Elongation	≥600	%	ASTM D 638
Shore Hardness	70±5	Shore - A	ASTM D 2240
Water Absorption	≤0.1	%	ISO 62 - 200805
Adhesion to Glass	≥70	N/cm	ASTM D 903
Adhesion to Back sheet	≥70	N/cm	ASTM D 903
Thermal Shrinkage	≤2	%	160 °C, 5 min
Optical Transmittance	≥91	%	ASTM E 424
UV Cut Off Wavelength	360 ± 30	nm	ASTM E 424
Gel Content	≥75	%	Soxhlet Method
Volume Resistivity	≥1 x10 ¹⁵	Ω.cm	ASTM D 257
Lamination Parameters	Single Stage	Double Stage (Stage 1)	Double Stage (Stage 2)
Evacuation Time (Minute)	3-5	3-5	
Lamination Time (Minute)	6-9	1-3	5-7
Temperature (°C) *	140-150	140-150	140-150

*Temperature and vacuum to be uniformly maintained across the laminator.

Packaging:

- Length of roll-150/300 Mtr.
- Each roll is sealed in a protective bag in a corrugated box.
- Boxes are strapped on suitable pallets.

Storage Condition and Shelf Life:

- Store in undamaged original packaging, Temperature between 20°C to 30°C and 50 to 60% RH.
- Recommended to use within 9 months from the date of manufacture.

Note: The above technical information represents the typical range of properties and is believed to be correct as on date. This data should however not be used to establish specification limits or used as basis for design. **Solar-Speciality Film Pvt. Ltd.** gives no warranty and assumes no liability in connection with any use of this information and is subject to the **Solar-Speciality Film Pvt. Ltd.** general terms and conditions.

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