

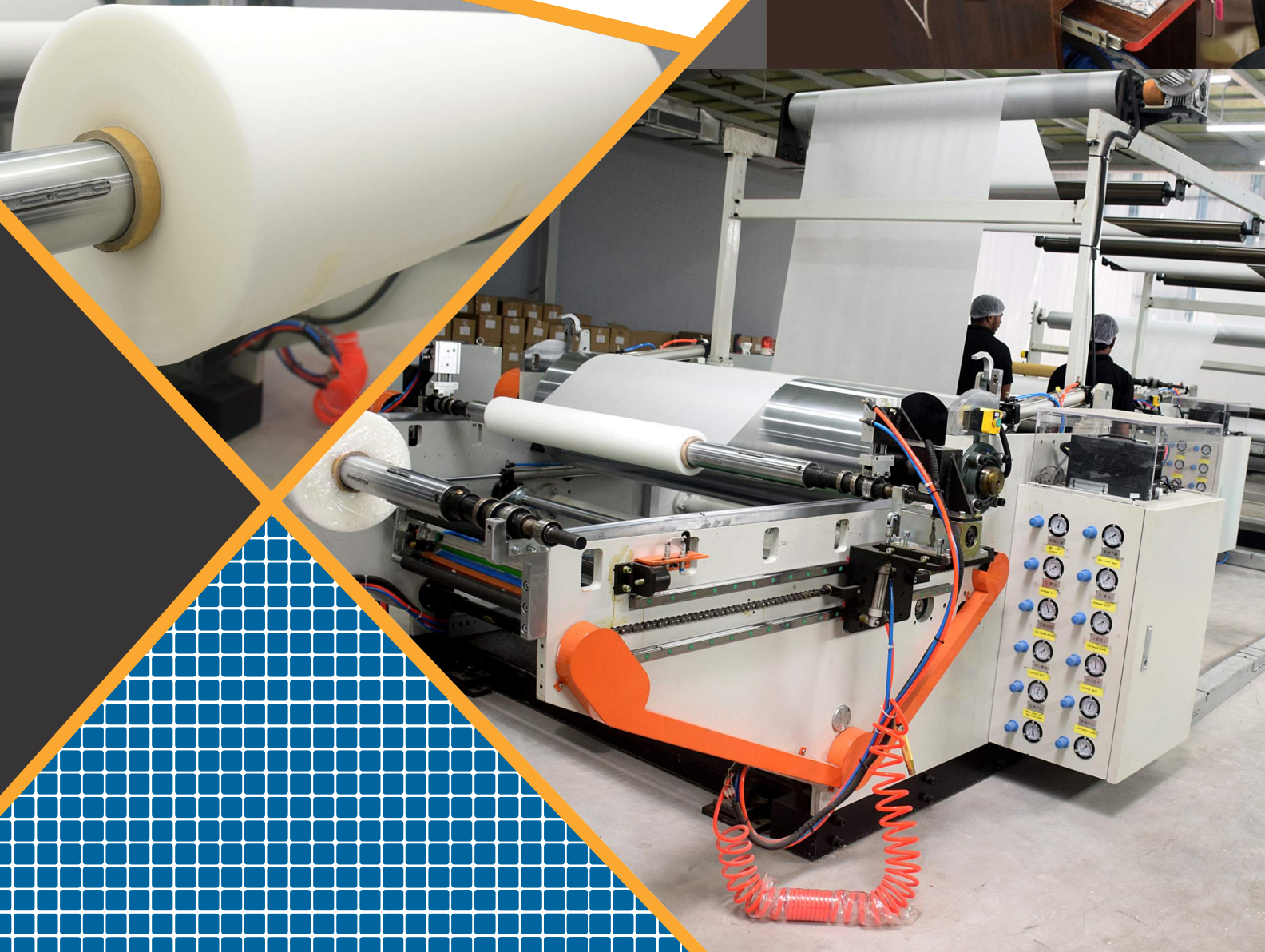


SHEETSOL

Private Limited

A new Perspective of Shine...

Manufacturer of Solar PV Encapsulation



About Us

SHEETSOL launches a new technology, Thermo-proficient Encapsulants:

Our EVA is a Thermo-Proficient EVA Encapsulant that cures 2-3 minutes faster per module manufacturing cycle.

This is faster than the fastest encapsulants currently available in the market. This unique breakthrough formulation is backed by the experts and scientist range's legacy, quality, and durability.

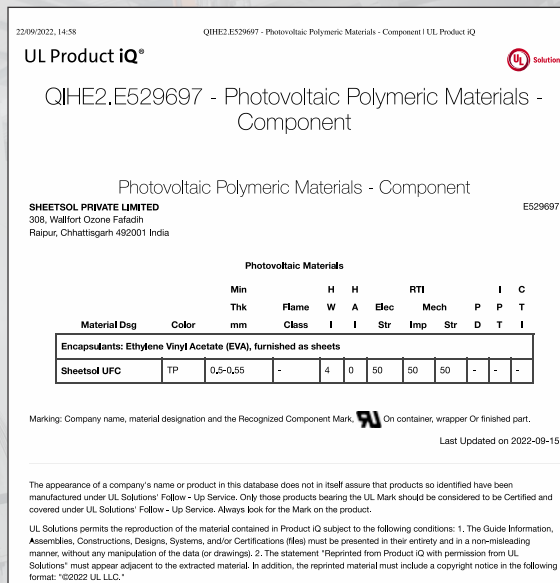
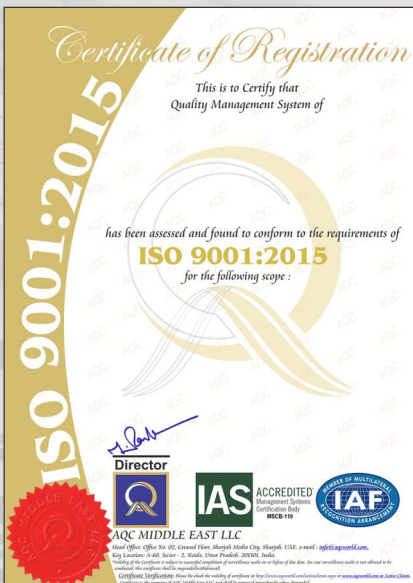
Unlike other encapsulants with similar features, this encapsulant film developed by SHEETSOL has a wide processing window eliminating all past process-related issues.

This product has been rigorously tested and is designed to suit all the standard popular laminating machines.

This quick cure EVA delivers incremental productivity by 10-20% within the existing capacity set up, effectively eliminating the need for new capacity addition.

Due to our high-tech & latest state of the art manufacturing technology enables our EVA to be produced without induced stresses allowing it to exhibit Ultra-low thermal shrinkage. This results in advantages like material saving and improved PV module aesthetics.

The SHEETSOL range of EVA encapsulants are designed to deliver unparalleled performance in the field. That has enabled it to carve a niche for itself across established and emerging solar markets alike.



SHEETSOL Salient Features

SHEETSOL SALIENT FEATURES

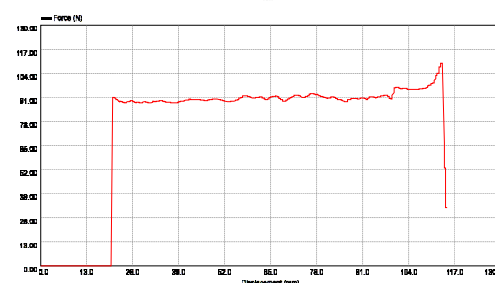
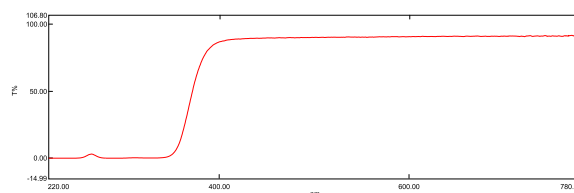
- Potential Induced Degradation (PID) resistant
- Exceptionally high 'Luminous Transmittance'
- No cell misalignment/better aesthetics
- Shorter lamination cycle time than other market encapsulants
- **Broad melting temperature range** - offers a wide operational window for PV module manufacturers during the lamination process.
- **Embossed surface** - prevents inter-locking of the layers during its transportation and storage
- **Ultra-low thermal shrinkage** - the EVA sheet can be cut nearly equal to the glass size
- **Superior bonding to Backsheet & Glass due to its unique formulation** - longer module durability

TECHNICAL DATA SHEET			
Manufacturer Name	SHEETSOL PVT. LTD, Raipur, Chhattisgarh, India-492 001.		
Product Details			
Product Name	EVA Sheet		
Product Type	Encapsulant - Polymeric Material		
Test Items	SS-UFC-T100-EVA		
Test / Parameter	Test / Parameter	Test / Parameter	Test / Parameter
Test / Parameter	-	mm	0.50 mm ± 10% Density
ASTMD	792g/cm2	0.96	
Thermal Shrinkage	120 °C on glass plate for 5 min.	%	<3
Tensile Strength	ASTM D638	MPa	14-17
Elongation at break	ASTM D 638	%	600-700
Peel strength (Glass/Film)	ASTM D903	N/cm	75-85
Peel strength (TPT/Film)	ASTM D903	N/cm	40-50
Specific Heat	ISO22007 PART 2	j/g. k	1.96-2.01
Optical Transmission after curing	ASTM E424 SPECTRO PHOTO METER	%	92
UV Cut Off Wave length	ASTM E424 SPECTRO PHOTO METER	nm	360
Yellow Index	∏YI	<4	<4
Gel Content	ASTM D2765-01	%	80-85
Refractive Index	ISO 489	-	1.49
Volume Resistivity	ASTM D257	Ohm.cm	1.0 x 10 ¹⁵
Water absorption	ISO 62-200805	%	0.10
Lamination Parameters			
Evacuation Time	-	Minutes	4 to 5
Lamination Time	-	Minutes	7 to 8
Temperature	-	°C	138 to 143
Storage and Packing Details			
Storage Conditions	Store in sealed packing at temperature < 28°C & humidity < 60%		
Shelf Life	Recommended to use before 6 months from the date of manufacture		
Declaration			
A Declaration of Conformity (DoC) Certifies that a consumer product has been tested by an accredited laboratory test faculty using approved methods to make sure it is fully operational and safe before it is sold.			
Report No.	SS\LAB\220601-01	Sign and Stamp of Authorized Person Girish Suthar: +91-9825244653	
Place	Raipur		
Date	1 st June, 2022		



EVA Sheet "SS-UFC-T100-EVA"

The most optimal solution for packaging solar cells with the required degree of environmental protection.



Be bright, be smart...

Quality Department



Sheetsol Private Limited

Registered Office:

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Corporate Office:

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Marketing Office:

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Delhi -110034 ☎ 011-47529416, 47529294

Factory:

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