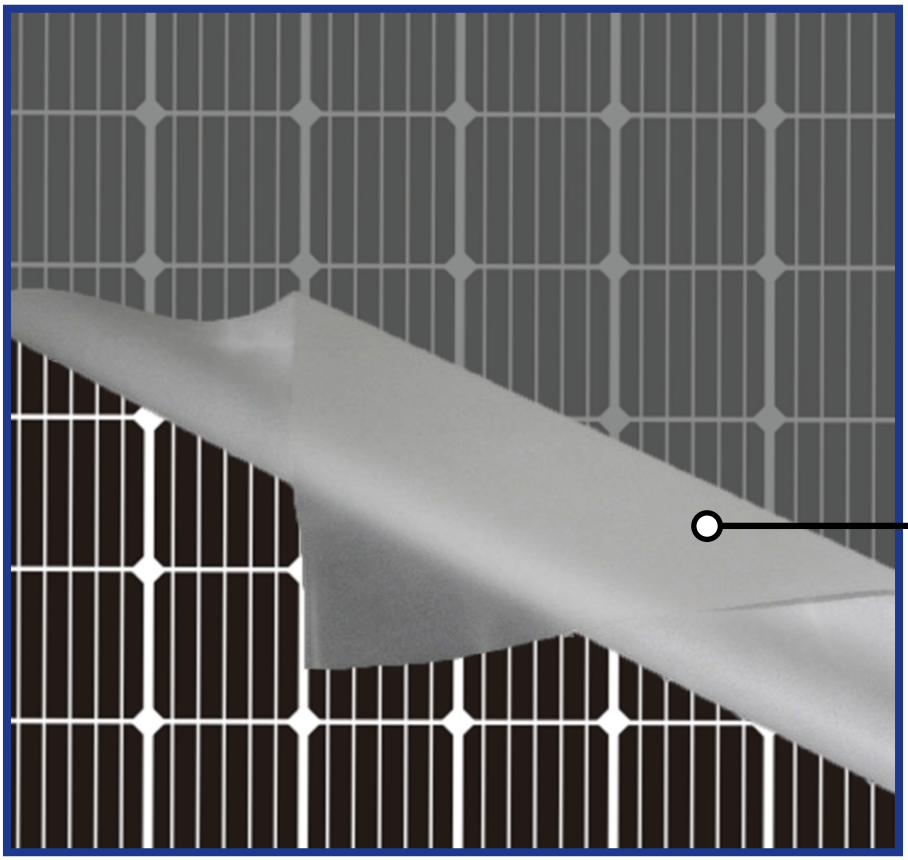
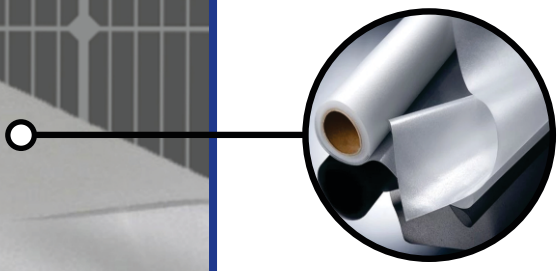
PIX FAST CURE EVA FILM
PIX FC

PIXON
Redefining Solar





Solar EVA Sheet

ABOUT US

PIXON houses clean room and environment controlled facility up to 1 GW manufacturing line for EVA films.

PIXON Fast Cure EVA Films are specifically designed for enhancing the durability and increasing the performance of solar modules and are suitable for all types of Crystalline and Thin film PV modules with shorter cycling time that speeds up your module production with Excellent Transparency, High Reflectivity (Back side Film) increased Production Yield, Snail Trail Resistant, PID-Resistant, Lower Shrinkage, Excellent Performance with UV and Weather Stability.

PIXON EVA Film is proven for single stage as well as short cycle Multi Stage Lamination Processes.

CERTIFICATIONS

TÜVRheinland CERTIFIED

TUV tested - DH, EVA Thermal & Electrical Properties
TUV CTI Report : IEC 60112:2020

UL Certified
Certificate Number E526148

PIXON GREEN ENERGY PRIVATE LIMITED

1800 108 8800 | +91 281 6180000

sales@pixonenergy.com | www.pixonenergy.com

Regd. Office: 201-206, 2nd Floor, Star Avenue, Nr. Moti Tanki Chowk, Gymkhana Road, Rajkot - 360001. Gujarat, India.

Mfg Unit: Rajkot - Jamnagar Highway, PO: Depaliya, TA: Padadhari, Rajkot - 360110. Gujarat, India.

Solar is the New Green!

TECHNICAL DATASHEET
PIX FAST CURE EVA FILM

PIXON
Redefining Solar

Technical Parameters For PIX FC

	Particulars	Test Method	Unit	Values
Physical	Thickness	ASTM D 6988	µm	≥ 450
	Width	Scale	mm	Up to 1335 (As per Customer Requirement)
	Melting Point	ISO 11357	ºC	70 ± 3
	Surface type	Visual	-	Inside: Matt; Outside: Embossed Supplied without Masking Paper
	GSM	ASTM D 6776	g/m^2	390 ± 20
	Density	ASTM D 792	g/cm^3	0.95 - 0.96
	VA Content	26 - 33	%	28
Thermal	Melt Index	ASTM D 1238	g/10min	25
	Thermal Shrinkage	160 °C / 5 min On Glass Plate	%	≤ 2 % MD, ≤ 1.5 TD
	Water Absorption Test	ISO 62:200805	%	< 0.1
Electrical	Dielectric Strength	ASTM D 149 - 20	kv/mm	> 25
	Volume Resistivity	ASTM D 257	Ohm.cm	$\geq 1x10^{15}$
Optical	UV Cut Off	ASTM E 424	nm	360 ± 30
	Transmittance	ASTM D 424	%	≥ 91
	Refractive Index	ISO 489	-	1.48
Mechanical	Peel Strength (EVA – Glass)	ASTM D 903	N/cm	≥ 75
	Peel Strength (EVA – Back Sheet)	ASTM D 903	N/cm	≥ 75
	Tensile Strength	ASTM D 638	MPa	15 ± 3
	Elongation	ASTM D 638	%	≥ 500
	Shore hardness	ASTM D 2240	SHORE-A	70 ± 5
Chemical	Gel Content	ASTM D 2765 / Oven Method	%	≥ 75

	Lamination Parameter	Single Stage	Double Stage(Stage 1)	Double Stage(Stage 2)
Lamination Properties	Vaccum Time	4 - 6 min	4 - 6 min	-
	Lamination Time	9 - 12 min	2 - 3 min	7 - 9 min
	Temparature	140 - 150ºC	140 - 150ºC	-

*Laminator recipe depends on type of laminator.

- Temperature and Vacuum to be uniformly maintained across the laminator.
- Vacuum to be applied at -760 mm Hg, Periodic calibration of the machine input parameters to be done by Machine User.
- Lamination Parameters (cycle time) would vary from Laminator to Laminator also due to change in EVA/Module Width and Thickness of EVA, hence Extensive trials are suggested to get the desired results.

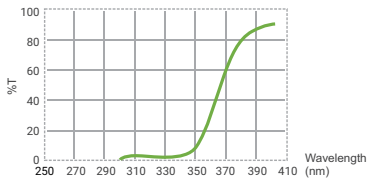
PACKAGING INFORMATION

Unless specified, below is the standard packaging data.

Length/Roll	140 or 150 metre
No. of Rolls/Pallet	12
Total Linear Metres/Pallet	1680 or 1800
Total SQM /Pallet	1782

Each Roll is sealed in a protective bag in corrugated box | Boxes are strapped on suitable pallets with Protection Angle Board.

CHARACTERISTIC GRAPH



SPECTRAL TRANSMITTANCE

Storage Condition and Shelf Life: Store in undamaged original packaging, temperature between 20ºC and 30ºC and humidity between 50-60% RH. Recommended use within 9 months from date of manufacture.

- 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.
- PIXON gives no warranty and assumes no liability in connection with any use of this information and is subject to the PIXON general terms and conditions.
- Lamination parameters and Quality of other components of the laminate during module manufacturing impact on the overall performance of the module, and hence we recommend the user to carry out intensive trials to test suitability of this product and module laminating conditions.