



HIGH QUALITY EVA FILM FOR ENCAPSULATING SOLAR PANELS / GLASSES

Zhejiang Zhengxin Photovoltaic Technology Co., Ltd.

36 Xichunzhong Road,
Quzhou,
Zhejiang Province,
China
324002

T : 0570-2852288

F : 0570-2852298

E : Sales: Sales@zxsolar.com

Technical Service: Technical@zxsolar.com

WEB: www.zxsolarpower.com



Encapsulating Material



- > 15 yrs R&D Experience
- > 91.5% High transmittance
- > 25 yrs Longlasting ageing-resistant
- < 15 mins Ultra fast lamination time
- < 2% PID FREE
- > 50 million Annual capacity

E: sales@zxsolar.com

Whatsapp: +86 158 6908 2928

About us



Zhejiang Zhengxin Photovoltaic Technology Co., LTD. is specialized in solar photovoltaic research and new materials development, production, sales and service. Zhengxin (ZXEVA) was founded in 2010, setting up more than 3000 square meters plant at the national high and new technological industrial concentration area on the west part in Zhejiang province. In 2016, we attained annual production capacity of 50 million square meters.

The founder and R&D team enter in this industry from 2002. The core product Z1261A/Z1261 is our patented product with excellent performance in long lasting ageing-resistant performance, excellent capability with other contact materials. ZXEVA strictly in accordance with the ISO9001 quality management system operation and the core product has passed ISO, SGS, TUV and PID test. ZXEVA will continue to do innovation and timely development of superior performance, cost-effective products to meet the requirements of customers.



Company Capability



High Tech Machine
Precision equipment
and automatic
production line base.



Quality Management...
Have own quality
control testing center
Make sure the quality
from the raw material



Long Term Cooperati...
Customers more than 5
years of cooperation.
Have OEM experience
of superior brand.

Company Vision & Mission

Our Vision & Mission : To become World-class EVA encapsulation film provider, serve as a professional expert in innovating high efficiency and low cost product.



BUILDING CASE

建筑案例



Product definition

ZXEVA film applies to crystalline silicon and thin-film solar cells encapsulation, which is a kind of thin film, with Ethylene Vinyl Acetate copolymer as the main raw material, adding variety of modified additives through sufficient mixing, heating and extrusion. The product is non-sticky and easy to operate at the room temperature. By heating, laminating and curing, it makes chemical reactions like cross-linking and bond enhancing to make the silicon wafers, glass and TPT becomes one firmly together as solar panel. The main function of this EVA film is to keep PV modules high light transmittance and high adhesion for long time, ensuring that the PV module can be used stably and efficiently for more than 25 years.

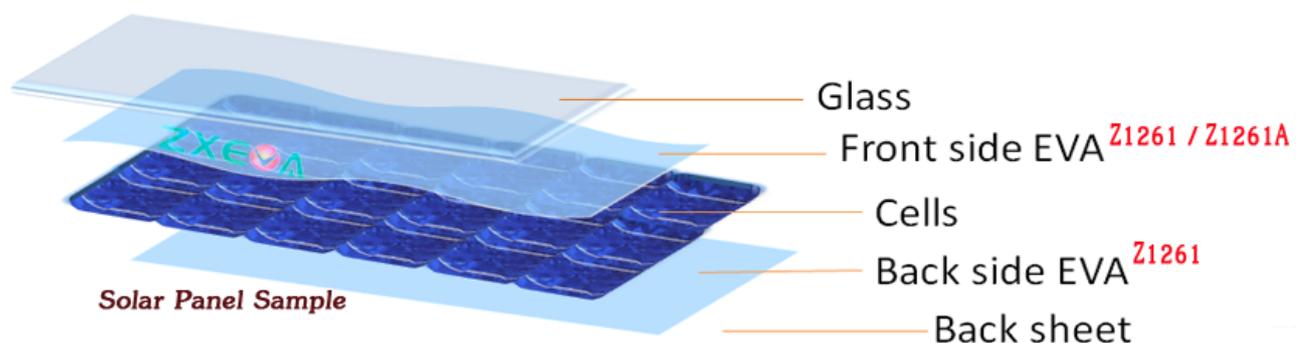
Product Description

EVA Film for Solar Panel



Item specifications	Thickness (mm)	Width (mm)	Length (m/roll)	Processing time	Features
Z1261 Extra fast cure	0.20 - 0.80	100 - 1200	100 - 200	12-16 mins (145°C)	UV Resistance
Z1261A High transmission	0.20 - 0.80	100 - 1200	100 - 200	12-16 mins (145°C)	UV Through
Z1261P PID free	0.20 - 0.80	100 - 1200	100 - 200	12-16 mins (145°C)	Anti PID
Z1261C Thin film / CIGS	0.15 - 0.30	100 - 1200	200 - 250	---	Anti Copper Corrosion

Operating structure



Product Description



EVA Film for Building Glass

Product definition:

ZXEVA adhesive clear film applies to building, window and tempered glass, which is a kind of thin film, with Ethylene Vinyl Acetate copolymer as the main raw material, adding variety of modified additives through sufficient mixing, heating and extrusion. The main function of this EVA film is to keep glass high light transmittance and high adhesion for long time, ensuring that the glass can be used stably, even when broken, resulting in a characteristic spider web cracking pattern across the glass.

Item specifications	Thickness	Width	Length (m/roll)	Processing time	Features
Z1261 Fast Cure	0.30 - 0.80	500 - 1200	100 - 200	12-16 mins (145 degree)	UV Resistance
Z1261A High Transmission	0.30 - 0.80	500 - 1200	100 - 200	12-16 mins (145 degree)	UV Through

Product property

- Strong adhesive property;
- Good stability after aging;
- High light transparent and long lasting guarantee;
- Excellent humidity, heat and weather resistance (PID);
- High efficiency and shorter laminating time;
- Excellent material compatibility with contact materials.



ZXEVA – only use the superior raw material. Perfect solution for pv modules to save energy wasting.

Technical Datasheet

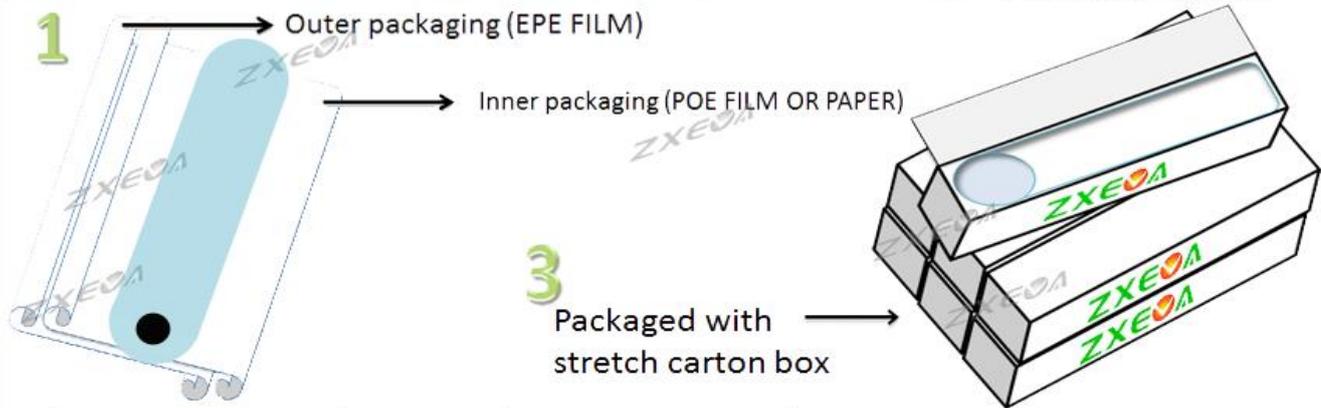
Item	Test method	Unit	Fast cure type	
			Z1261A	Z1261
Density	ISO1183	g/cm ³	0.95	0.95
VA content	TGA	%	26-33	26-33
Softening point	DSC	°C	55	55
Surface hardness	GB/T531-1999	Shore A	65	65
Tensile strength(after crosslinking)	ISO527-3	MPa	20	20
Elongation (after crosslinking)		%	600	600
Strength of Extension		MPa	6	6
UV cutoff wavelength	UV-vis	Nm	--	360
Optical transmittance	GB2410-80	%	91.5	91
Refractive index	ISO489	--	1.480	1.482
(0.45MM; before cross-linking, 120°C, 3min) Thermal shrinkage	Q/ZX001-201 2	MD%	≤3.0	≤3.0
		TD%	≤1.0	≤1.0
(140°C, 17min) Cross-linking rate	Q/ZX001-201 2	%	≥75.0	
Peeling strength	With Glass	Q/ZX001-201	N/cm	>60
	With TPT	2	N/cm	>40
(90°C,90%RH, 1500hrs) Damp Heat resistance	Yellowness index	Q/ZX001-201 2	ΔYI	<3
	Peeling strength with glass		N/cm	>40
(xenon lamp, 1500hrs) UV Exposure resistance	Yellowness index	Q/ZX001-201 2	ΔYI	<3
	Peeling strength with glass		N/cm	>40
Volume resistivity	GB/T 1410	Ω · cm	≥1*10 ¹⁵	
Dielectric strength	GB/T1408.1	Kv/mm	>28	
(60°C,85%RH,-1000V,96H) Power changes after PID test	IEC61730-2:2 004 IEC61215:200 5	%	<5%	

Product packaging

1. Each roll is packed with PE film and vacuum packing process, after that put one roll in one carbon box. (Under 500mm width will be packed with 2-3 rolls in one box).
2. The inner package of the products is polyethylene bags, and the external packages are cartons and pallets. Every roll of EVA is put in a carton, and each pallet can be put on 16 to 24 rolls.
3. Production storage: Being stored in a dry and shade place with temperature $0^{\circ}\text{C} \sim 30^{\circ}\text{C}$, and humidity $\leq 60\%$, sunlight direct radiation should be avoided. The product must be not placed nearby heating equipment and the place with dust.
4. Product usage: Before using, check the package intact and untouched. The product should be quickly used once you open it, the other unused part re-sealed by original packaging or similar packaging. The product is guaranteed for 6 months from the production date in the unopened state, you are suggested to use up within 3 months.

Packaging Information

2 Packaged eva roll



Vacuumize



Packaging



Packing Area



ZX Mark



Well-Packed



Storehouse



Factory Overview

Employee Locker Room



Packging Area



Store House



Store House



Pending Delivery Area



Safe Loading

