



Suzhou Xiaoshi Technology Co., Ltd

Interlayer film for Glass Lamination
Materials for Glass Processing



Product Innovation



Excellent Quality



Global Service



COMPANY PROFILE

Suzhou Xiaoshi Technology Co.,Ltd is a professional supplier and exporter of interlayer film for glass lamination and materials for glass processing, located in Suzhou City, Jiangsu Province.

Our company was known as a pioneer in the southeast of China. Own a wide range of products for both glass lamination and glass processing. Main products are EVA, PVB and Ionoplast film for glass lamination, PDCL smart film and glass, Materials and Tools for glass processing.

With more than 15 years experience in production development and materials exporting, we have gained a very good reputation among customers from more than 80 countries. Our professional sales team which is always ready to give quick response, provide multi choice to satisfy customer requirements with one stop service.

Xiaoshi Tech is committed to sustainability that makes products to improve people's lives,providing the best solutions and creating value for our customers. We are looking forward to build up a long term partnership with more and more potential customers all over the world.

Customer service principle: Top quality, Quick response, Fast delivery





CATALOG

01	•	QUALITY CONTROL
02	•	EVA INTERLAYER FILM
05	•	PVB INTERLAYER FILM
07	•	IONOPLAST INTERLAYER FILM
09	•	PDLC SMART FILM
10	•	PDLC SMART GLASS
11	•	PHOTOCHROMIC FILM
12	•	TOOL & ACCESSORY



QUALITY CONTROL



Clean Room for Production: We adopt and advanced clean room, all workers are required to wear purification suite before entering the production room to ensure the dust-free environment!



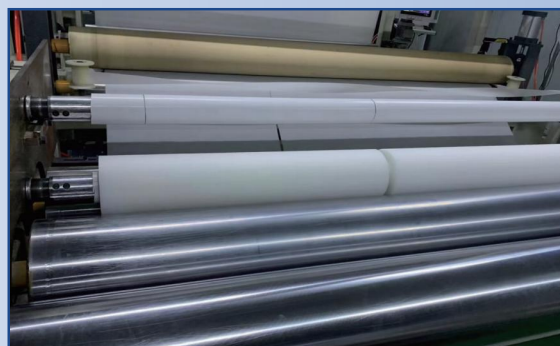
Quality Control: Quality management system recognized by ISO9001:2015 and 14001:2015. All products are inspected to assure achievement of international quality standard. Batch sample kept for 1 year!



Research and Develop: Our R&D team are committed to technological innovation, explore customer requirements to lead the market trend with innovation.



Full Automatic Production line: 5 Automatic production lines with precise control, maximum production width is 2600mm, capacity 1000 Ton per month.



Customized product available: We accept customized width & thickness, packing and labelling for all film products, and customized color for big project case!



Technical Service: We provide 7x24 -hour technical support, which can quickly solve various technical problems to ensure customers can receive timely help at any time.



EVA INTERLAYER FILM

Ultra Transparent EVA film is an ideal interlayer film for areas with more moisture, such as frame-less glass or shower room glass. It is often used for increased safety, security and sound insulation for various indoor and outdoor applications.



Advantages

- Excellent transparency and durability
- Protection against UV radiation
- Temperature & humidity resistance
- Good adhesion to variety kinds of inserts
- Low water absorption rate

Specification

Thickness: 0.38mm, 0.76mm

Max Width: 2600mm

Roll Length: 100M, 50M

Technical Data

Item	Data
Melting Point	65 ℃
Density	0.985 g/cm3
Water Absorption	≦ 0.1 %
Light Transmittance	>89.5%
Haze	<0.2%
Tensile Strength	>23 Mpa
Elongation at Break	>980%
Cross Linking	>85%
UV Block (280-385nm)	>99 % (customized)
Yellow Index (YI)	<3.0
Dumping & Heat Resistance (85 ℃ , 85% RH)	Qualified
Boiling Test (2 hrs into 100 ℃ water)	Qualified

Super Transparent EVA film for PDLC smart film lamination. It has better transparency in lower lamination temperature(120 °C)with cross-linking rate over 85%.Its UV block rate over 99% which can protect the PDLC smart film and prolong the life time of the finished smart glass.



Advantages

- Low lamination temperature
- 99% UV block
- Temperature & humidity resistance
- Good adhesion to PDLC smart film
- Low water absorption rate

Specification

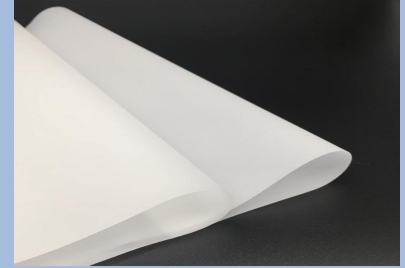
Thickness: 0.76mm,0.80mm

Max Width: 2600mm

Roll Length:50M



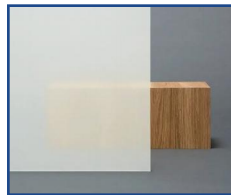
White color EVA film can be used for both indoor and outdoor glass lamination and also insert materials lamination. It has lower lamination temperature which is suitable for laminate with inserts. Below are different types of white EVA film for safety glass lamination.



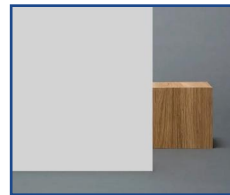
Jade white



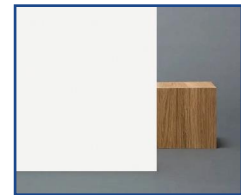
Milky white



Dark white



Super white



Color EVA film can be used for decorative safety glass lamination. It has similar characters as transparent EVA film, but provide a more vivid style to the glass. There are both transparent and opaque colors. You can use multi layers of same color or even different colors to re-build new colors.

Product Specification

Thickness: 0.38mm

Width: 2400mm

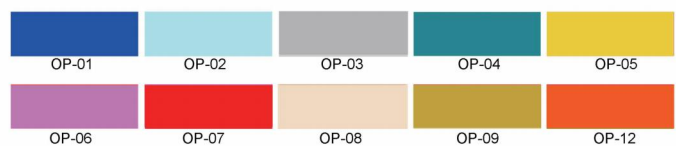
Roll Length: 50M

Note: Color film suggest for indoor glass lamination only, if there are project which request color film for outdoor use, please kindly contact us and we will provide other solution for color glass lamination.

Color EVA Transparent



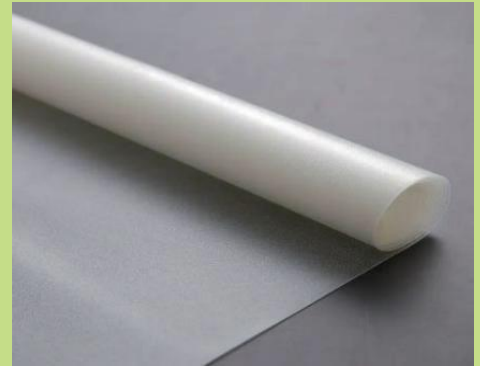
Color EVA Opaque





PVB INTERLAYER FILM

Architectural-grade PVB film has excellent impact strength, transparency and weather resistance, anti-theft, anti-ultraviolet and other properties. In the construction field, PVB laminated glass is widely used in curtain walls, skylights, partitions, doors and windows, etc. Laminated glass made of PVB film not only has a high degree of safety, wind pressure resistance, but can also effectively improve the heat insulation and noise reduction performance.



Advantages

- Excellent transparency
- High impact resistance
- Acoustic performance
- UV resistance
- Low yellow index

Specification

Thickness: 0.38mm, 0.76mm,
1.14mm, 1.52mm

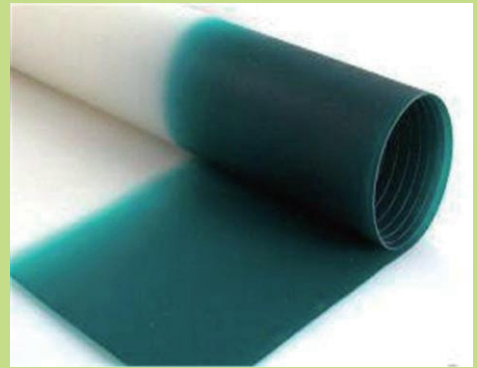
Max Width: 3300mm

Roll Length: 400M, 250M, 100M, 50M

Technical Data

Item	Data
Roughness	$\leq 20\text{-}40\mu\text{m}$
Density	1.069 g/cm ³
Moisture	0.35-0.55 %
Light Transmittance	>88.5%
Haze	<0.6%
Tensile Strength	>20Mpa
Elongation at Break	>200%
Ration of Shrinkage	$\leq 12\%$
Yellow Index (YI)	<8.0

Automotive-grade PVB film has good adhesion, UV protection and weather resistance, it can effectively improve the safety and sound insulation performance of automotive glass. When glass is impacted, PVB film acts as a buffer, which can effectively reduce damage to the human body. The production process of automotive-grade PVB film is very strict on the thickness, transparency, flatness, to ensure its performance and appearance quality.



Advantages

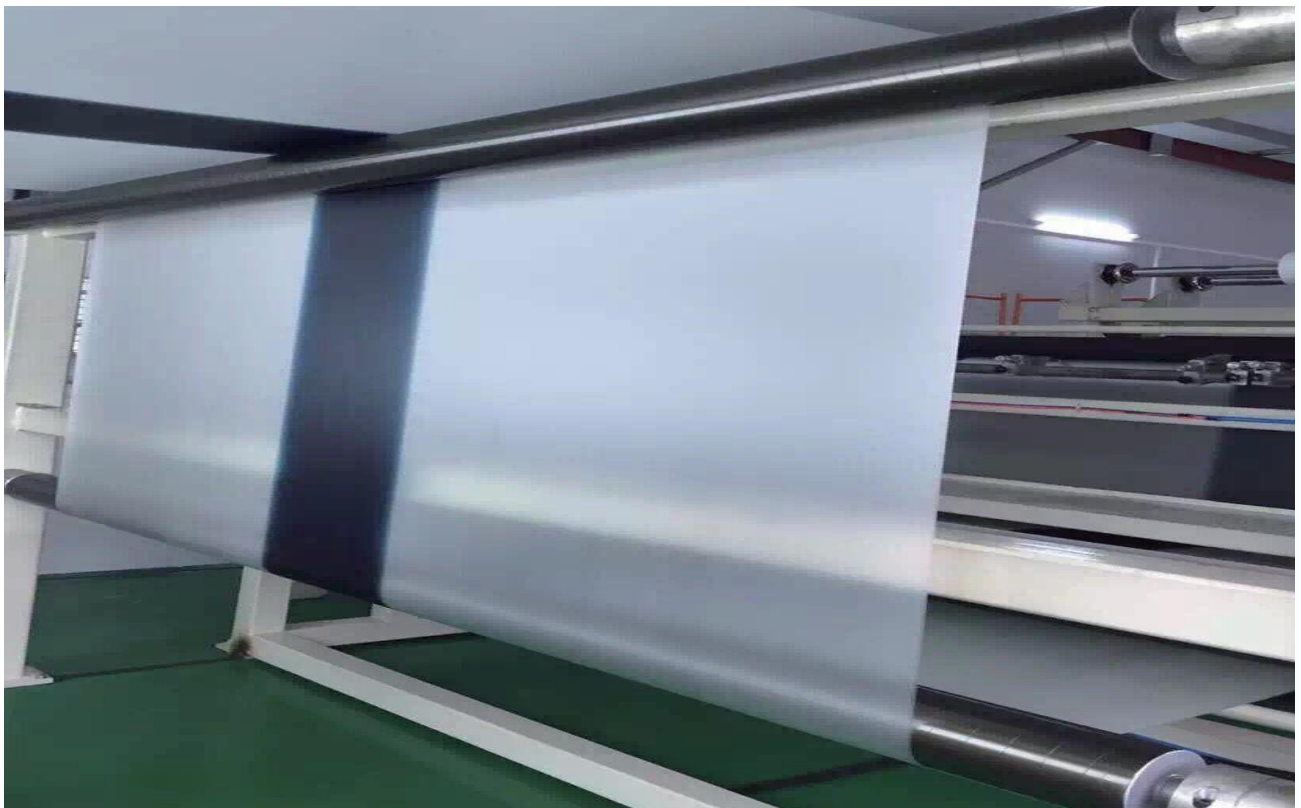
- Excellent transparency
- Protection against UV radiation
- Temperature & humidity resistance
- High durability
- Low yellow index

Specification

Thickness: 0.38mm, 0.76mm,
1.14mm, 1.52mm

Max Width: 3300mm

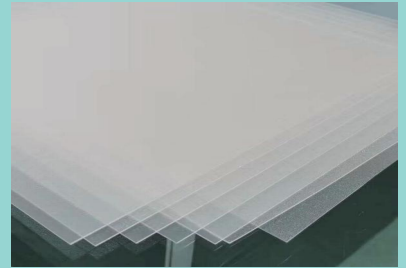
Roll Length: 400M, 250M, 100M, 50M





IONOPLAST INTERLAYER FILM

Ionoplast interlayer film is 5 times stronger and up to 100 times stiffer than conventional laminating materials. With this kind of strength, the glass can be a more active structural element in the constructions, opening up design possibilities that didn't exist before.



Advantages

- High edge stability
- Good durability against UV radiation
- Outstanding tearing strength
- Excellent optical performance
- Yellow index < 1.5

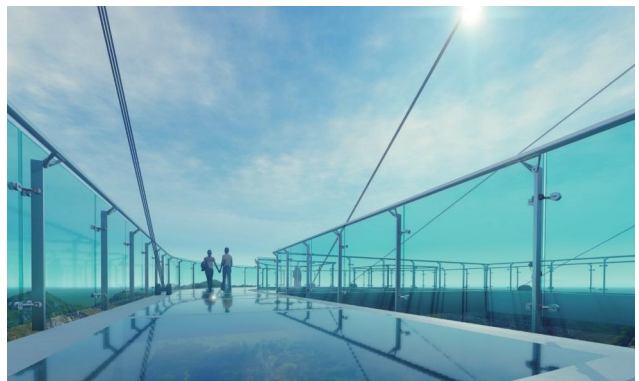
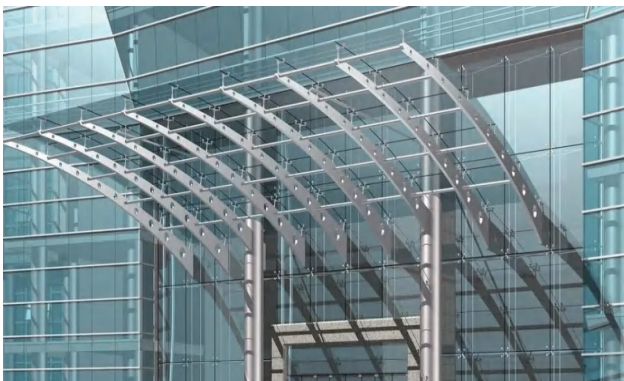
Specification

Thickness: 0.76mm, 0.89mm,
1.14mm, 1.52mm

Max Width: 3300mm

Roll Length: 100M, 80M, 50M

Application Area : Ionoplast film is a type of stronger of conventional interlayer materials for laminated glass. The finished product can be used in variety areas. Such as glass bridge, glass balustrade, glass facade, glass floor, glass stair treads, curtain wall, swimming pool, glass canopy, glass skylight, glass ceilings, etc.



Technical Data

Data	Item	Test method	Condition	Unit	Result
Physical	Specific gravity	ASTM792		g/cm3	0.93-0.98
	Hardness	ASTMD2240	1.52mm	Shore D	65
Mechanical	Elongation at break	ASTMD638		%	≥300
	Young modulus	ASTMD638		Mpa	>300
	Shear modulus G	ASTMD638		N/mm ²	42.7
	Bending modulus	ASTMD638	23C	Mpa	345
	Shear strength	ASTMD638		MJ/m	50
	Tensile strength	ASTMD638		Mpa	≥34
Thermal	Coefficient of thermal expansion	ASTMD831		cm/cm — C	10~15*10 ⁻³
	Thermal eflexion temperature	ASTMD831		C	40
	Melt point	ASTMD831		C	94
	Flash point	ASTMD1929		C	470
Optical	YI	JC/T2166-2013		%	<1.5
	Refractive index(20C)	JC/T2166-2013		%	1.5
	Light transmittance	JC/T2166-2013	0.76mm	%	90.2
	Haze	JC/T2166-2013	0.76mm	%	<0.5
	UV filtering	JC/T2166-2013	380nm	%	>99

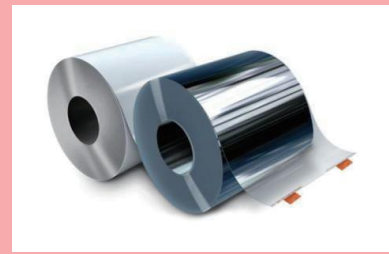
Note: The information and related data listed in this article are based in our own laboratory. It is correct to proceed from the truth, but we will not make any statement or guarantee on the integrity or accuracy of the information and data listed. We provide the content of this article only for the user's reference, and decide whether the information and data are suitable for their own purposes before use. In no event shall we be liable or indemnify for any damage of any nature resulting from the use or reliance on the content of this article or the products referred to in this article.

Storage conditions: Ionoplast interlayer should be stored at room temperature with original sealing vacuum moisture proof packing .It is recommended use material within 24months from the date of production to avoid the decline of adhesion. Please properly seal and pack unused materials and store them in cool place to prevent the material being exposed to the environment and absorbing moisture, which may result in adhesion reduced.Control the moisture of material not over 0.2%, otherwise the adhesion may go down and have bubbles during laminating. It is also recommended that testing the moisture content and the adhesion property of ionoplast film before production , if it has been stored for a long time from the production date and the moisture content exceeds 0.2%, it is not recommended to use.

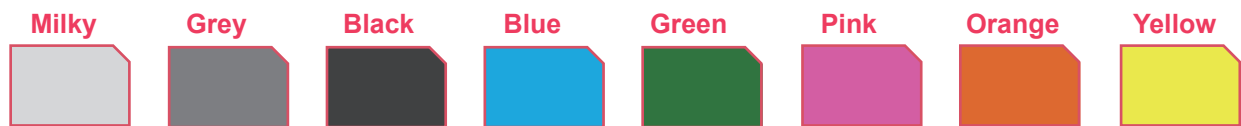


PDLC SMART FILM

PDLC smart film is a kind of high-tech decorative film which can switch from translucent (frosted) stage to transparent (clear) stage instantaneously under electricity application. It can regulate and adjust the light transmittance pass through by electricity supply.



Available color



Advantages

- Privacy protection while blocking the sight
- Heat insulation, block high percent of IR and UV light
- Explosion proof when glass is broken
- Various types of switch control

Specification

Thickness: 0.28mm, 0.40mm

Max Width: 2000mm

Roll Length: 70M, 50M

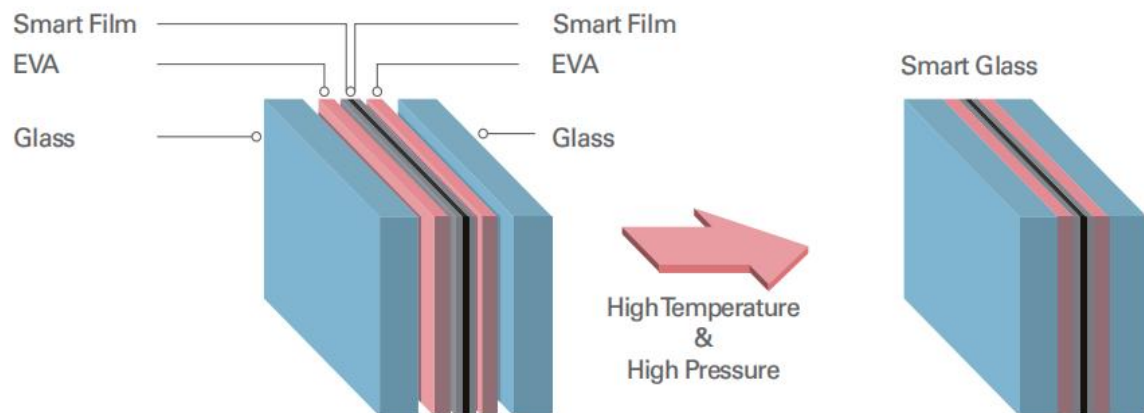
Note: Customized sheet size available.

Parameters(Milky)		Condition	Result
Optical	Visible Light Transmittance	on	87%±1
		off	79%±1
	UV Resistance	on	55%±2
		off	95%±2
	IR Resistance	on	8%±2
		off	65%±5
	Haze	On(60V)	2.7%±0.1
		off	> 96 %
Electrical	Power Supply	on	48-65V AC50HZ
	Response Time	on--off	<20ms
		off--on	<10ms
	Power	on (60V)	5W/SQM
Environment	Storage Temperature	on/off	-20℃ -70℃
	Working Temperature	on/off	-10℃ -60℃
	Life Span	on/off	10 Years /10 Million times



PDLC SMART GLASS

PDLC smart glass is a type of laminated glass. The PDLC film is placed between two layers of glass, EVA film can be used for non adhesive type PDLC smart film Lamination . The smart glass has the privacy protection function of controlling whether the glass is transparent or opaque.



⌘ *Laminated Smart Glass Structure*

Application Area : PDLC Smart glass is widely used in both residential and commercial decoration. Bathroom partitions, Conference rooms, Banks, Hotels, Restaurant, Hospitals and other privacy or security fields. It can also be used as a projection screen instead of ordinary curtains, showing high-definition images on the glass.





PHOTOCHROMIC FILM

Photochromic film is a smart light control film, the light transmittance changes with the intensity of sunlight illumination. It is made of high vacuum sputtering and high precision Nano coating technology, more than 99% of UV blocking will protect your skin and products from UV rays. More than 80% of the infrared barriers reduce energy consumption.



Advantages

- Intelligent discoloration against sun light
- Heat insulation, IR and UV block
- High definition, easy bonding with glass
- Explosion proof when glass is broken

Specification

Thickness: 0.04mm

Width: 1500mm

Roll Length: 30M





TOOL & ACCESSORY



Copper Paste



Conductive Silver Glue



Electrode Cutter



Silicone Wire



Wipe Cloth



Soldering Iron



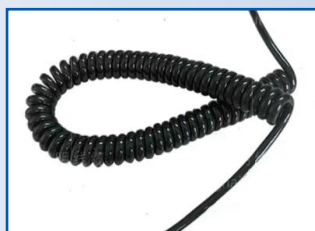
Power Transformer



Retractable Wire



Magnetic Switch



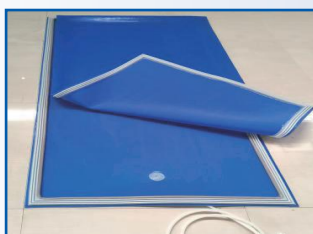
Spring Wire



Surface Wire passer



Conceal Wire passer



Silicon Vacuum Bag



Teflon Mesh



Lamination Tape



Vacuum film



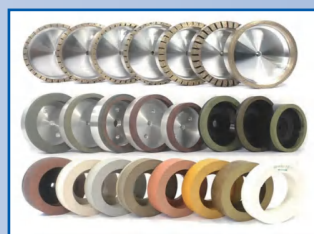
Thermo Cutter



Kevlar Rope



Rubber Glove



Polish Wheel



SUZHOU XIAOSHI TECHNOLOGY CO., LTD

✉ info@sourceglas.com sales@sourceglas.com

☎ +86 136 0613 6410 +86 187 5203 5797

📍 No.3002, East street 424, Gusu Dist, Suzhou City, Jiangsu Province, Zip 215008, China