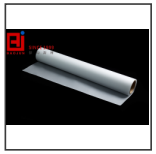

EVA Film for solar panel

Item No.: 001

EVA film for solar panel

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Description | Review

1.Product Introduction

Photovoltaic EVA packaging film is made of ethylene-vinyl acetate copolymer (EVA) with various necessary additives. Its main functions in the packaging of solar cells are: supporting and fixing solar cells; Increase the transmittance of sunlight; Resist the damage of the external environment on the performance of the battery and protect the battery; The product has the following characteristics:

E. Excellent light transmittance ensures the maximum power of the module.

The main models are:

A. BJ-920 (high transmittance PID): BJ-920 has high transmittance in the ultraviolet light area, and the light transmittance in the ultraviolet area glass surface. Compared with ordinary EVA film, it can more effectively improve the conversion efficiency of the module by 1.5% - 5%; B. BJ-921 (h transmittance in the ultraviolet area is ≤ 30%, and the back panel surface can effectively prevent the back panel from being damaged by ultraviole extend the service life of the module.

2.Product technical parameters：

Performance		Model	
		BJ-920	BJ-921
Thickness（mm）		0.3-1.0	0.3-1.0
Width（mm）		≤1400	≤1400
Roll length(m)		150-350	150-350
Area density deviation(%)		±4	±4
Density(g/cm3)		0.95-0.96	0.95-0.96
Crosslinking degree(%)		≥75	≥75
Tensile strength(MPa)		≥18	≥18
Elongation(%)		≥500	≥500
Water absorption（20℃、24h）		≤0.1%	≤0.1%
Peel strength from glass(N/cm)		≥60	≥60
Peel strength from backplane(N/cm)		≥40	≥40
Shrinkage(%)	Direction（MD）	≤3.0	≤3.0
	Droadwise（TD）	≤1.5	≤1.5
Volume resistivity(Ω·cm)		≥1*1015	≥1*1015
Breakdown voltage strength (kv/mm)		≥26	≥26
UV aging △YI (120kwh/m2,1000 h）		≤4	≤4
Damp-heat aging △YI （85℃/85%，1000 h）		≤4	≤4

3.1Single-cavity lamination parameters

Product model	Lamination temperature(℃)	Vacuum pumping time(s)	Holding pressure		
			one paragraph	Section II	three
BJ-920	142±2	360±60	-70	-45	-20
BJ-921	142±2	360±60	-70	-45	-20

3.2

Product model	First chamber temperature(℃)	Vacuum pumping time (s)	Holding pressure			Holding time	Second chamber temperature(℃)	Vacuum pumping time（s）	H			
			one paragraph	Section II	three-section				one paragraph	Section II	three-section	
BJ-920	122±2	360±60	-70	-45	-20	180±30	145±2	30±10	-70	-45	-20	480±60
BJ-921	122±2	360±60	-70	-45	-20	180±30	145±2	30±10	-70	-45	-20	480±60

Note: According to the operation of the customer's equipment, the temperature and time of the laminator can be adjusted appropriately to meet the production requirements. The crosslinking degree shall be controlled within the acceptable range, and 85% is the best. Other auxiliary materials used shall be qualified products tested by the industry recognized testing agency.

4、 Storage and use:

1. Store in a cool and dry constant temperature room with temperature ≤ 30 ℃ and humidity ≤ 60%; The storage period of this product is six months; It is recommended to use it within three months;

2. Vacuum packaging, inner packaging 150-300m/roll (except for special requirements);

3. The long-term stacking height of products is not easy to be too high, and it is better to store products below five layers to avoid bending and deformation caused by heavy pressure;

4. Do not damp the product. It is recommended to use the plastic film after opening the package or cutting it within 48 hours;

5. In order to avoid abnormal lamination of components caused by static electricity, it is recommended to eliminate static electricity in the whole process of component production.

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