



**HiSolar PV** Thin Film Module Encapsulant  
**EVA Film-T301W**  
Part number: 2013002

## Company Introduction

HiUV Elec. Tech. Co., Ltd. is a hi-tech company focusing on PV module encapsulation material, EVA film and back sheet, which are used for packaging material in silicon module, thin film module and all kind of high performance PV modules. Creating high value for customers is the target of HIUV.

## Why use EVA film in thin film module?

Hisolar thin film module grade EVA encapsulant is specially designed for thin film PV module and has high light reflection rate which help thin film module has high performance. HiSolar EVA film can be stored in room temperature and be used easily. HiSolar EVA film will make thin film PV module more reliable and competitive.

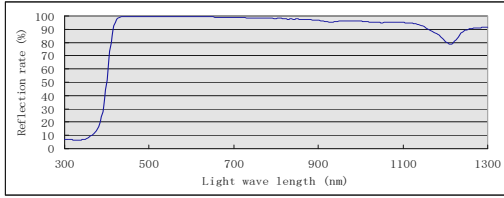
## Manufactured by:

Manufacturer: Shanghai HIUV Electronic Technology Co., Ltd.  
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 Factory address: No.538, Xiashen Road, No.2 Industry Zone, Jinshan, Shanghai, China

## HiSolar Thin Film PV Module EVA Film T301W Specification

| Specification                       | Unit              | Test Method         | Equipment          | HiSolar T301W                     |
|-------------------------------------|-------------------|---------------------|--------------------|-----------------------------------|
| <b>Visual appearance</b>            |                   |                     |                    |                                   |
| Appearance                          | -                 | -                   | -                  | White                             |
| Surface treatment                   | -                 | -                   | -                  | Matte Effect                      |
| Inter leaver (option)               | -                 | -                   | -                  | PE film                           |
| Length                              | Meter             | /                   | Ruler              | 300m/roll with interleaver        |
|                                     |                   |                     |                    | 500m/roll without interleave      |
| Width                               | Millimeter        | /                   | Ruler              | 1112 (+0/10)                      |
| Thickness                           | Millimeter        | /                   | Thickness Gage     | About 0.46+/-0.05                 |
| <b>Physical property</b>            |                   |                     |                    |                                   |
| Melting Point                       | °C                | /                   | Thermometer        | About 70                          |
| Light Reflection Rate (after cured) | %                 | /                   | Spectrophotometer  | 410-1100nm >94%<br>430-790nm >97% |
| Volume resistivity                  | Ω .cm             | ASTM 257-07         | Megger             | >1*10 <sup>14</sup>               |
| Density                             | g/cm <sup>3</sup> | ASTM 972            | -                  | 1.12                              |
| Gel Content                         | %                 | Back flow by xylene | Solvent Extraction | >80                               |
| Peeling Strength EVA/Glass          | N/cm              | ASTM D903           | Tensile Machine    | >80                               |
| Shrinkage                           | %                 | 120°C, 3min         | On glass in oven   | <8%                               |

## Reflection Rate



T301W has high light reflection rate.

## Surface Treatment



Surface of T301W is treated as above picture.

## Package

|                  |   |
|------------------|---|
| <b>Core</b>      | <b>6 inch of dust free paper core with plastic ends</b> |
| <b>Bag</b>       | <b>Alumina film laminated plastic bag</b>               |
| <b>Container</b> | <b>Wood box with wood pallet</b>                        |



## Storage

HiSolar EVA film has to be stored in original unopened containers in a cool and dry place. The temperature should be lower than 30°C. Direct sun light should be avoided. Shift time is 12 months.

## Contact:

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