



HiSolar Double Glass PV Module Encapsulant G401W

Why Hisolar G401W?

Hisolar G401W EVA encapsulant is developed by HIUV for double glass PV module. Hisolar G401W is recommended to be back side EVA layer in double glass PV module. G401W reflects most part of sun light back to module and increases the power generation efficiency of double glass PV module. G401W will not cover the edge of cell during module lamination. G401W makes double glass PV module more reliable and competitive.

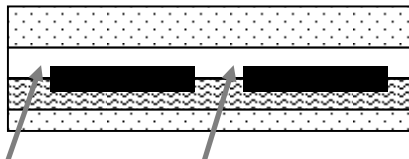
HiSolar EVA Encapsulant

for Double Glass PV Module

HiSolar G401W Specification

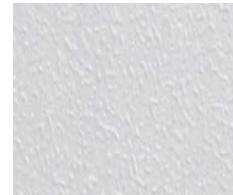
Specification	Unit	Test Method	Equipment	HiSolar G401W
Visual appearance				
Appearance	-	-	-	White
Surface treatment	-	-	-	Matte Effect
Length	Meter	/	Ruler	50m/roll
Width	Millimeter	/	Ruler	1000mm or customer specified (+0/10)
Thickness	Millimeter	/	Thickness Gage	About 0.46+/-0.05
Physical property				
Melting Point	°C	/	Thermometer	About 70
Light Reflection Rate	%	/	Spectrophotometer	410-1100nm >85%
Volume resistivity	Ω .cm	ASTM 257-07	Megger	>1*10 ¹⁴
Gel Content	%	Back flow by xylene	Solvent Extraction	>80
EVA/Glass Peel Strength	N/cm	ASTM D903	Tensile Machine	>80
Shrinkage	%	120°C, 3min	On glass in oven	<8%

G401W – No white color overlap



No white color EVA covers cell's edge

Surface Treatment



Surface of G401W is treated as above picture.

Front glass
Front transparent EVA
Cell
G401W
Back glass

Package

Width of HiSolar is 1000 mm (or customer specifies) and length is 50 meter. Outside HiSolar is PE sealing bag and paper box. Paper core diameter is 3 or 6 inch.

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.

Manufactured by:

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