



VTPf
PV Module Back Sheet

Company Introduction

HiUV Elec. Tech. Co., Ltd. is a hi-tech company focusing on PV module package material such as EVA film and back sheet. Back sheet can be used for silicon type module, thin film module and high performance module.

VTPf 300 PV Module Back Sheet Specification

Specification	Unit	Test Method	Equipment	VTPf300
Thickness	Micrometer	/	Thickness Gage	302+/-5
Structure	/	/	/	ViTop/PET/f film
ViTop Thickness (PVDF film)	Micrometer	/	Thickness Gage	40
Tensile Strength (MD)	N/cm ²	ASTM D882	Tensile Machine	>300
Tensile Strength (TD)	N/cm ²	ASTM D882	Tensile Machine	>300
Tensile Elongation(MD)	%	ASTM D882	Tensile Machine	>100
Tensile Elongation(TD)	%	ASTM D882	Tensile Machine	>100
Shrinkage (MD) 150°C 30min	%	ASTM D1204	Oven	<1.0
Shrinkage (TD) 150°C 30min	%	ASTM D1204	Oven	<1.0
ViTop/PET Peeling Strength	N/cm	ASTM D1876	Tensile Machine	>5
f film/PET Adhesive Strength	-	-	Knife cut and tape	Excellent
Water Permeability 38°C-100%RH-24hr	g	ASTM F1249	Moisture Penetration Instrument	<1.5
Brake Down Voltage	KV	ASTM D149	/	>18
Partial Discharge	VDC	IEC 606641	/	>1000
Peeling Strength with EVA	N/cm	ASTM D1876	Tensile Machine	>40
Adhesive to Junction Box	/	/	/	OK

All values stated are to be considered as typical values.

Cut size is according to customers' specification Shelf life is 2 years

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