HUITIAN

Technical Data Sheet

PV308C
Solar Cell Backsheet

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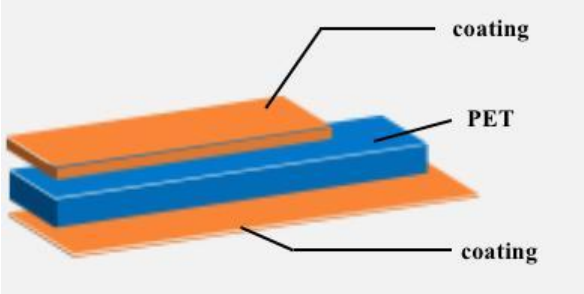
PV308C solar cell backsheet consists3 layers of functional. The air contact layer and the EVA contact layer are fluorocarbon coating that developed by Huitian, the middle layer is strengthening barrier PET Film.

Structural Parameters

Composition	Material	Thickness
Air layer	Fluorocarbon coating	20±10 μm
Substrate	PET film	300±30 μm
EVA layer	Fluorocarbon coating	8±5 μm



Typical Application

This product is specifically designed for packaging crystalline silicon photovoltaic modules.

Packaging Parameters

This product is provided in sheets. The packaging pallet carries information such as the product name, model, batch number and batch barcode, production date, certification mark, and instructions for use.

Width: 985mm.(Width is customizable)

Length: 200m/roll. 3 x 3 one pallet, and 600m coiled material can also be provided

Specifications

Outstanding bonding strength with commercially available packaging materials makes this product ideal for various lamination processes. It also has excellent physical & mechanical properties, insulation, barrier, weather resistance, and aging resistance, which can ensure a service life of more than 25 years for modules.

Performance Parameters

Item		Compliance Standard	Unit	Index
Color		/	/	White/Black
Nominal Thickness		GB/T 13542.2-2009	μm	328
Tensile Strength	MD	ASTM D882-2010	MPa	≥ 110
	TD		MPa	≥ 100
Elongation at Break	MD		%	≥ 100
	TD		%	≥ 90
Heat Shrinkage Rate	MD	GB/T 13542.2-2009 150±2℃/30 min	%	≤ 1.5
	TD		%	≤ 1.0
Peeling Strength		GB/T2709-1995	N/cm	⩾4
EVA Interlaminar Peel Strength		GB/T 2709-1995	N/cm	≥ 60
Coating Adhesion		GB/T 9286-1998	/	Level 0
System Voltage 1500V		IEC62788-2 2017	μm	DTI > 300
Optical Transmittance (400-1100 nm)		IEC 62788-2016	%	≥ 85
DH1000H Test		IEC61215-05 10.13	/	No cracking, delamination, blistering, or pulverization; yellowing index △b ≤ 3
100 kWh UV Exposure (Air Side)		IEC61215-05 10.11		

Note:
The data in this document were obtained under laboratory conditions. Due to differences in the operating environment, the user can refer to these data and operating conditions for analysis and testing. Huitian does not guarantee the sale of products or the use of the products under specific working conditions and does not accept any liability for direct, indirect or incidental damage. If users encounter any problems in the process of use, please contact the technical service department of Huitian New Material and all assistance will be provided.

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