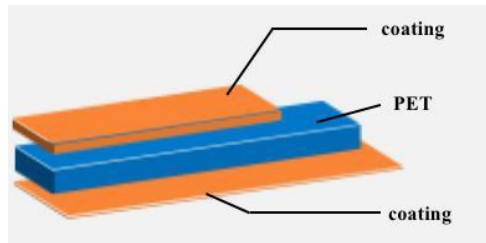


回天® PV308C solar cell backsheet consists of two fluorocarbon coating layers independently developed by Huitian as the weather-resistant layer and the EVA adhesive layer, and a reinforced, biaxially oriented high barrier polyester film as the support.

Structural Parameters



Composition	Material	Thickness
Air layer	Fluorocarbon coating	12 μm
Substrate	PET film	288 μm
EVA layer	Fluorocarbon coating	6 μm

Typical Application

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

Packaging Parameters

The product is provided in rolls, which are sealed and externally packaged with cartons. The packaging box carries information such as the product name, model, batch number and batch barcode, production date, certification mark, instructions for use, and number of joints.

Roll specifications: 985 mm (customizable width).

Pallet specifications: 200m rolls, 3×3 rolls per pallet. 600m rolls are also available.

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	/	/	Black	
Thickness	GB/T 13542.2-2009	μm	306	
Tensile Strength	MD	ASTM D882-2010	MPa	≥ 110
	TD		MPa	≥ 100
Elongation at Break	MD	ASTM D882-2010	%	≥ 100
	TD		%	≥ 90
Heat Shrinkage Rate	MD	GB/T 13542.2-2009 150±2°C/30 min	%	≤ 1.5
	TD		%	≤ 1.0
Coating Adhesion	GB/T 9286 1998	-	Level 0(Inner)	
EVA Interlaminar Peel Strength	GB/T 2709-1995	N/cm	≥ 60	
Water Vapor Transmission Rate	GB/T 26253-2010	g/(m ² ·d)	< 2.5	
Infrared Reflectivity (800-1200 nm)	GB/T 3780.17-2017	%	≥ 50	
Coating Adhesion	GB/T 9286-1998	/	Level 0(Outer)	
Volume Resistivity	GB/T 1410-2006	Ω·cm	≥ 1.0*10 ¹³	
Breakdown Voltage	GB/T 1408.1-2006	kv	≥ 16	
System Voltage 1500V	IEC62788-2 2017	μm	DTI > 300	
PCT48H	JESD33-A120D	/	No cracking, delamination, or blistering; yellowing index Δb ≤ 3; retention rate of elongation at break ≥ 30%	
DH1000H Test	IEC61215-05 10.13	/	No cracking, delamination, blistering, or pulverization; yellowing index Δb ≤ 3	
200 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.