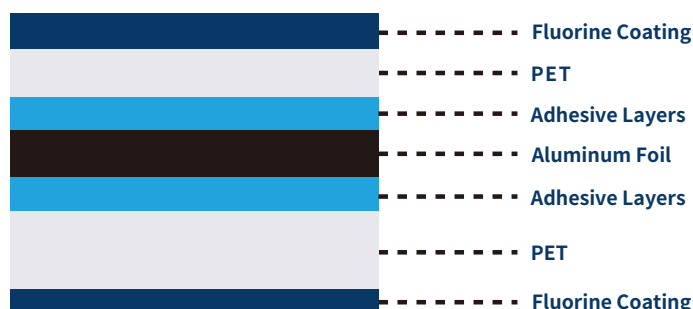
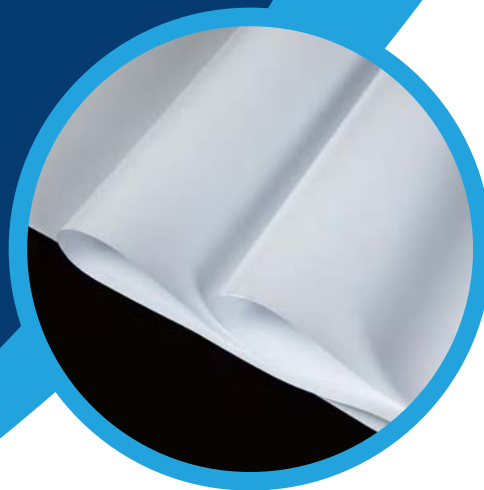


# BPF-805

## PHOTOVOLTAIC BACK SHEET

PET composite aluminum foil photovoltaic backsheets with good insulating properties, strong bonding fastness, low water permeability, excellent barrier and heat and humidity resistance.

It is used in PV module backsheet material, and plays a protective role for the battery cells.



### Technical Properties

Performance Indicators		Unit	Test Method	BPF-805
Total Thickness		μm	/	395μm±10μm
Colour		/	/	White/Black
Tensile Strength	MD	N/mm <sup>2</sup>	GB/T 13542.2-2009	≥120
	TD	N/mm <sup>2</sup>	GB/T 13542.2-2009	≥120
Elongation At Break	MD	%	GB/T 13542.2-2009	≥100
	TD	%	GB/T 13542.2-2009	≥100
Heat Shrinkage Rate	MD	%	GB/T 13542.2-2009	≤0.6
	TD	%	GB/T 13542.2-2009	≤0.6
Coating Adhesion		Grade	GB/T 9286-1998	Grade 0
Bond Strength With EVA (initial)		N/10mm	GB/T 2790-1995	≥60
Volume Resistivity		Ω·cm	GB/T 1410-2006	≥1X10 <sup>16</sup>
Peel Strength (Al Foil/PET Film)		N/cm	GB/T 2790-1995	≥4
WUTR		g/m <sup>2</sup> ·d	GB/T 26253-2010	≤0.001
System Voltage		V	GB/T 1408.1-2016	DTI≥300um
Batch Color Difference		/	GB/T 7921-2008	/
Hygrothermal Aging		85℃*85%RH, 2000h	IEC TS 62788-2	No stratification, no bubbles, Δb≤2
Boiling Water Treatment	Visual Inspection	/	GB/T 17748-2008	No stratification, no foaming, no folding, no shedding, no pulverization
	Coating Adhesion	Grade	GB/T 9286-1998	Grade 0
Yellowness after PCT48 Aging		/	JESD22-A102-C	Δb≤2
DH Aging for 2000H		/	IEC TS 62788-2	Retention of Elongation at Break≥40%, Δb≤2
UV Aging for 250kWh		/	IEC TS 62788-2	Retention of Elongation at Break≥90%, Δb≤2

The technical parameters in Betterial product manual are for reference only. Technical specifications are subject to change without any prior notice.

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