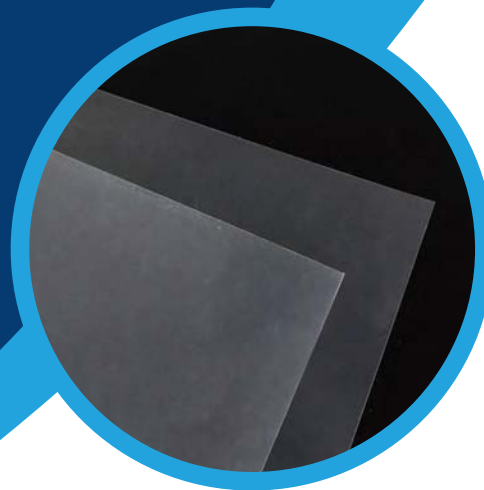


# BPF-803

## PHOTOVOLTAIC BACK SHEET

BPF-803 is a series of transparent backsheets developed by Betterial, with double-sided transparent coating and reinforced PET structure; It is characterized by good insulating properties, strong bonding fastness, excellent barrier and heat and humidity resistance.



### Technical Properties

Performance Indicators		Unit	Test Method	BPF-803
Total Thickness		μm	/	303±5%
Structure		/	/	Coating+PET+Coating
Colour		/	/	Transparent
Tensile Strength	MD	N/mm <sup>2</sup>	GB/T 13542.2-2021	≥120
	TD	N/mm <sup>2</sup>	GB/T 13542.2-2021	≥130
Elongation At Break	MD	%	GB/T 13542.2-2021	≥100
	TD	%	GB/T 13542.2-2021	≥90
Heat Shrinkage Rate	MD	%	GB/T 13542.2-2021	≤0.6
	TD	%	GB/T 13542.2-2021	≤0.6
Coating Adhesion		Grade	GB/T 9286-2021	Grade 0
Bond Strength With EVA (initial)		N/10mm	GB/T 2790-1995	≥60
Bond Strength with Silicone		N/10mm	GB 8808-1988	≥10
Breakdown Voltage		kV	GB/T 1408.1-2016	≥20
Volume Resistivity		Ω·cm	GB/T 31838.2-2019	≥1X10 <sup>15</sup>
WUTR		g/m <sup>2</sup> ·d	GB/T 26253-2010	≤2.0
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

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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