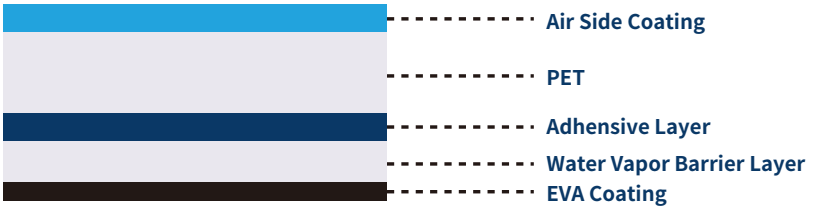
BPF-807

HIGH BARRIER BACKSHEET

PV backsheets coated with highly weather resistant PET as a support layer and water vapor barrier as a water-blocking intermediate layer.
It is used as a backsheet material for photovoltaic modules, and plays a protective role for the battery cells.



Technical Properties

Performance Indicators		Unit	Test Method	BPF-807
Total Thickness		μm	/	310±5%
Strcture		/	/	Weather Resistant PET+Water Vapor Barrier Film
Colour		/	/	Transparent/White/Black
Tensile Strength	MD	N/mm²	GB/T 13542.2-2009	⩾120
	TD	N/mm²	GB/T 13542.2-2009	⩾120
Elongation At Break	MD	%	GB/T 13542.2-2009	⩾100
	TD	%	GB/T 13542.2-2009	⩾90
Heat Shrink-age 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
Breakdown Voltage		kV	GB/T 13542.2-2009	⩾20
Comparative Tracking Index (CTI)		V	IEC 60664-1	⩾300
Partial Discharge Voltage		VDC	IEC 60664-1	⩾1500
WUTR		g/m²·d	GB/T 26253-2010	⩽0.3
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.

Betterial
Invented for Materials

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