

BACKSHEET

Model: AL - 150 KN

'PRESERV AL - 150 KN' is a Polyester and Aluminum foil based, UV and weather stable backsheet with white air side and black cell side colour. 'PRESERV AL - 150 KN' can be used for Thin Film modules.



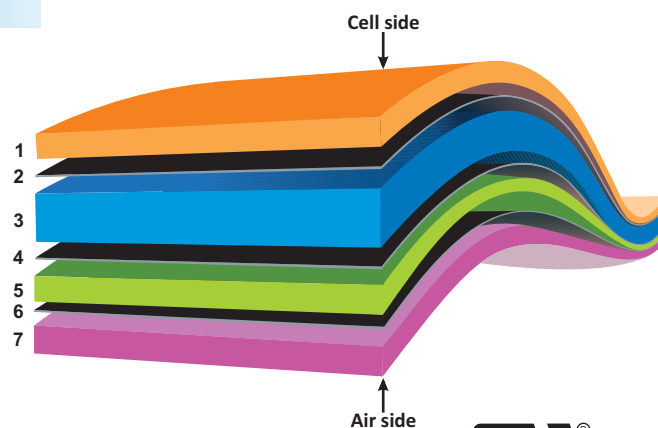
PROPERTIES					
S.N	Particulars	Test Method	Unit	Description	Values
1	Thickness	Micrometer	µm		353
2	Width	Scale	mm		Up to 1250
3	Tensile Strength @ max load	ASTM D 882	MPa	MD	> 100
				TD	> 100
4	Elongation @ break	ASTM D 882	%	MD	>100
				TD	>90
5	Thermal Shrinkage @ 150°C, 30 min.	ASTM D 1204	%	MD	<0.50
				TD	<0.50
6	Interlayer Adhesion Strength	ASTM D 903	N/cm	HPET/Al foil	>5
				Al foil/PET	>5
				PET/Primer	>5
7	Adhesion Strength with EVA	ASTM D 903	N/cm	Backsheet/EVA	>70
8	WVTR	ASTM F 1249	g/(m ² -day)		0
9	Dielectric Strength	ASTM D 149	kV		>20
10	Partial Discharge	IEC-61730-2	VDC		>1000
11	**Relative Thermal Index	UL 746B	°C		125

Width: Up to 1000 mm - all sizes available. Sizes >1000 mm - make to order

** Derived from Hydrolysed PET

Construction

1. Proprietary Priming Layer
2. Adhesive
3. PET
4. Adhesive
5. Al foil
6. Adhesive
7. Hydrolysed PET



APPROVALS: UL Certified. Refer file No. E353124.

PACKING: Unless specified, below is the standard packing of 'PRESERV'
 # Length/Roll: 100 meters | # No of Rolls/Pallet: 9 or 12 | # Total Linear Meters/Pallet: 900 or 1200
 # Each roll is sealed in a protective bag in a corrugated box
 # Boxes are strapped on suitable pallets



Note: Above technical information represents the typical range of properties and is believed to be correct as on date. This data should however not be used to establish specification limits or used as basis for design. RenewSys gives no warranty and assumes no liability in connection with any use of this information and is subject to the RenewSys general terms & conditions.

Bengaluru: +91-80-33671400 ❖ Mumbai: +91-22-30040500
www.renewsysworld.com ❖ renewsys@renewsysindia.com