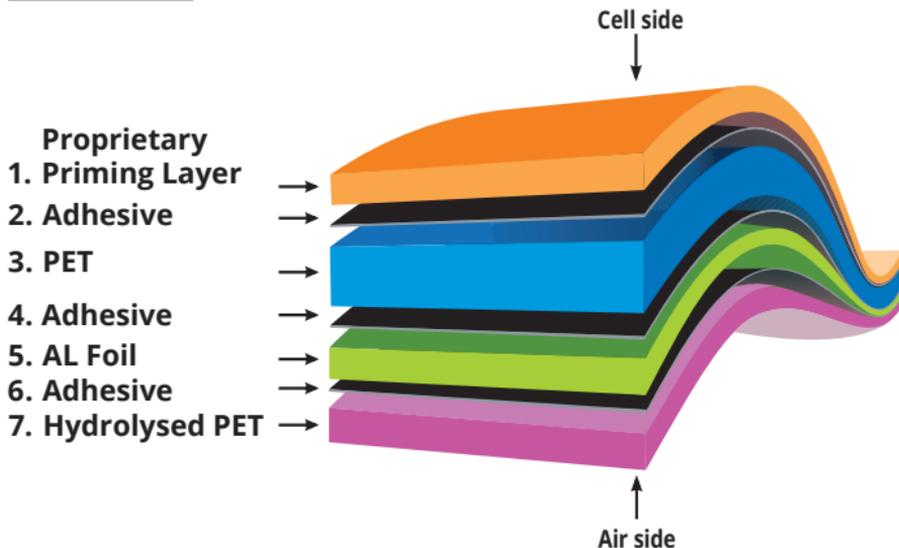


PRESERV AL - KN

'PRESERV AL - 150 KN' is a Polyester and Aluminium foil based, UV and weather stable Backsheet, with air side White and cell side Black appearance.

'PRESERV AL - 150 KN' has been specially designed for moisture - sensitive high efficiency crystalline, Heterojunction and Thin - Film PV Modules.

STRUCTURE



PROPERTIES - PRESERV AL - 150 KN

Particulars	Test Method	Unit	Description	Values
Thickness	Micrometre	µm		353
Width	Scale	mm		Up to 1310
Tensile Strength @ max load	ASTM D 882	MPa	MD TD	≥90 ≥90
Elongation @ break	ASTM D 882	%	MD TD	≥90 ≥90
Thermal Shrinkage @ 150°C, 30 min.	ASTM D 1204	%	MD TD	< 1.5 < 0.5
Interlayer Adhesion Strength	ASTM D 903	N/cm	HPET/AL Foil AL Foil/PET PET/PRIMER	> 5 > 5 > 5
Adhesion Strength with Encapsulant	ASTM D 903	N/cm	Backsheet / EVA	≥ 100
WVTR	ASTM F 1249	g/(m ² - day)		0
Dielectric Strength	ASTM D 149	kV		>20
System Voltage	IEC 61730 - 1	VDC		≥1000
**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

Packing Unless specified, below is the standard packing of 'PRESERV'

- # Length/Roll: 180 or 230 metres | # No. of Rolls/Pallet: 9
- # Total Linear Metres/Pallet: 1620 or 2070
- # Each roll is wrapped with polyethylene sheet
- # Rolls are palletize vertically placed with top and bottom lid
- # No. of joints/supply: 70% Rolls will be joint-free of 180 LM, however, balance 30% rolls will be with varied joint-free length between 50 LM-180 LM

Note : The above technical information represents the typical range of properties and is believed to be correct as on date. However, this data should not be used to establish specification limits or used as basis for design. Lamination parameters and Quality of other components of the laminate during module manufacturing impact on the overall performance of the module, and hence we recommend the user to carry out intensive trials to test suitability of this product and module laminating conditions. RenewSys gives no warranty and assumes no liability on connection with any use of this information and is subject to the RenewSys general terms and conditions.



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