

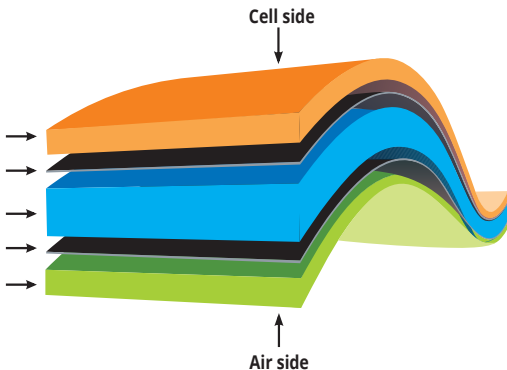
PRESERV A - KN

'PRESERV A - 150 KN, 190 KN' is a Non - Fluoro based, UV and weather stable, air side white and PV Cells side black Backsheet. PRESERV A - 150 KN, 190 KN can be used for all Crystalline and many Thin - Film PV Modules.

'PRESERV A - 150 K2N' Backsheet is a Non - Fluoro based, both sides black Backsheet suitable for all Crystalline and many Thin - Film PV Modules.

STRUCTURE

1. Proprietary Priming Layer
2. Adhesive
3. PET
4. Adhesive
5. Hydrolysed PET



PROPERTIES - PRESERV A - KN

Particulars	Test Method	Unit	Description	A-150 KN	A-190 KN
Thickness	Micrometre	µm		320	360
Width	Scale	mm		Up to 1310	Up to 1310
Tensile Strength @ max. load	ASTM D 882	MPa	MD TD	≥90 ≥90	≥90 ≥90
Elongation @ break	ASTM D 882	%	MD TD	≥90 ≥90	≥90 ≥90
Thermal Shrinkage @150°C, 30 min.	ASTM D 1204	%	MD TD	≤1.5 ≤0.5	≤1.5 ≤0.5
Interlayer Adhesion Strength	ASTM D 903	N/cm	HPET/PET PET/PRIMER	≥5 ≥5	≥5 ≥5
Adhesion Strength with Encapsulant	ASTM D 903	N/cm	Backsheet / EVA	≥70	≥70
Moisture Barrier - MVTR @ 38°C, 90% RH	ASTM F 1249	g/(m ² - day)		≤1.5	≤1.5
System Voltage	IEC 61730 - 1	VDC		≥1000	≥1000

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

PROPERTIES - PRESERV A - 150 K2N

Particulars	Test Method	Unit	Description	Values
Thickness	Micrometre	µm		320
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/PET PET/PRIMER	≥5 ≥5
Adhesion Strength with Encapsulant	ASTM D 903	N/cm	Backsheet / EVA	≥70
Moisture Barrier - MVTR @ 38° C, 90% RH	ASTM F 1249	g/(m ² - day)		≤1.5
System Voltage	IEC 61730 - 1	VDC		≥1000

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

PRESERV A - KN



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

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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E 360 - POE
Encapsulant

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