

BACKSHEET

Model: A - N

'PRESERV A - N' is a non-fluoro based UV and weather stable white/black backsheet. PRESERV A - 190WN/KN, 150WN/KN, 125WN/KN, 100WN/KN can be used for all Crystalline and many Thin Film PV modules.



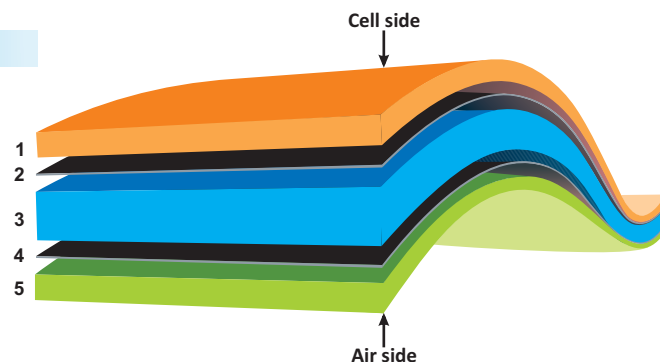
PROPERTIES								
S.N	Particulars	Test Method	Unit	Description	PRESERV A - 190 WN/KN	*PRESERV A - 150 WN/KN	PRESERV A - 125 WN/KN	*PRESERV A - 100 WN/KN
1	Thickness $\pm 5\%$	Micrometer	μm		360	320	300	270
2	Width	Scale	mm		Up to 1250	Up to 1250	Up to 1250	Up to 1250
3	Tensile Strength @ max load	ASTM D 882	MPa	MD	≥ 100	≥ 100	≥ 100	≥ 100
				TD	≥ 110	≥ 100	≥ 100	≥ 100
4	Elongation @ break	ASTM D 882	%	MD	≥ 100	≥ 100	≥ 100	≥ 100
				TD	≥ 90	≥ 90	≥ 90	≥ 90
5	Thermal Shrinkage @ 150°C, 30 min.	ASTM D 1204	%	MD	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
				TD	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
6	Interlayer Adhesion Strength	ASTM D 903	N/cm	HPET/PET	≥ 5	≥ 5	≥ 5	≥ 5
				PET/PRIMER	≥ 5	≥ 5	≥ 5	≥ 5
7	Adhesion Strength with EVA	ASTM D 903	N/cm	Backsheet / EVA	≥ 70	≥ 70	≥ 70	≥ 70
8	Moisture Barrier @ 38°C, 90%RH	ASTM F 1249	$\text{g}/(\text{m}^2\text{-day})$		≤ 1.4	≤ 1.5	≤ 1.6	≤ 1.7
9	Dielectric Strength	ASTM D 149	kV		23	20	20	18
10	Partial Discharge	IEC-61730-2	VDC		≥ 1000	≥ 1000	≥ 1000	≥ 1000

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

*Make to order

Construction

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