

BACKSHEET

Model: 1 350 WD

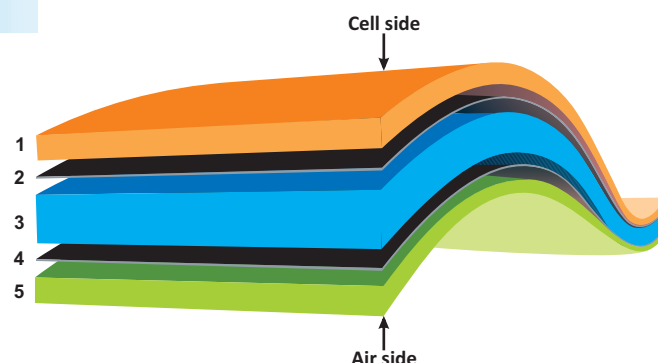
'PRESERV 1 350 WD' is a Fluoro, UV stable, weather resistant, extra thick white backsheet designed for 1500 VDC system voltage PV Modules. The cell side priming layer ensures UV resistance and high bond with EVA. This backsheet can be used for all crystalline and many thin film modules.

		PROPERTIES			
S.N	Particulars	Test Method	Unit	Description	Values
1	Thickness	Micrometer	μm		490 ± 7%
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	≥ 90
				TD	≥ 90
5	Heat Shrinkage @ 150°C, 30 min.	ASTM D 1204	%	MD	≤ 1.5
				TD	≤ 0.5
6	Interlayer Adhesion Strength	ASTM D 903	N/cm	PVDF/PET	≥ 5
				PET/ PRIMER	≥ 5
7	Adhesion Strength with EVA	ASTM D 903	N/cm	Backsheet/EVA	≥ 100
8	Moisture Barrier @38°C, 90%RH	ASTM F 1249	g/(m ² -day)		≤1.6
9	Dielectric Strength	ASTM D 257	kV/mm		54
10	Flame spread Index	ASTM E162- 2008			RP 50
11	Partial Discharge	IEC- 61730-2	VDC		>1500

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

Construction

1. UV Resistant White Proprietary Priming Layer
2. Adhesive
3. Hydrolysis Resistant Electrical Grade PET
4. Adhesive
5. UV Stable Hydrolysis Resistant White 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.

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