

BACKSHEET

Model: 1 - D

'PRESERV 1 - D' is a Fluoro based UV and weather stable white/black backsheet. PRESERV 1 - 225WD/KD, 190WD/KD, 150WD/KD, 125WD/KD, 100WD/KD can be used for all Crystalline and many Thin Film PV modules.

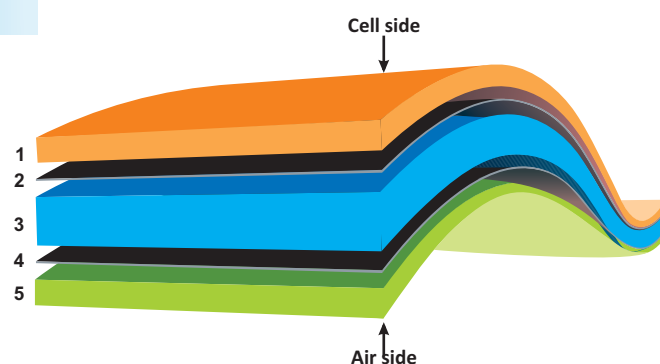
S.N	Particulars	Test Method	Unit	Description	PROPERTIES				
					*PRESERV 1 - 225 WD/KD	PRESERV 1 - 190 WD/KD	PRESERV 1 - 150 WD/KD	*PRESERV 1 - 125 WD/KD	*PRESERV 1 - 100 WD/KD
1	Thickness	Micrometer	µm		370	335	300	270	245
2	Width	Scale	mm		Up to 1250	Up to 1250	Up to 1250	Up to 1250	Up to 1250
3	Tensile Strength @ max load	ASTM D 882	MPa	MD	100	100	100	100	100
				TD	115	100	100	100	100
4	Elongation @ break	ASTM D 882	%	MD	≥115	≥115	≥115	≥115	≥115
				TD	≥100	≥100	≥100	≥100	≥100
5	Thermal Shrinkage @ 150°C, 30 min.	ASTM D 1204	%	MD	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5
				TD	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
6	Interlayer Adhesion Strength	ASTM D 903	N/cm	PVDF/PET	≥5	≥5	≥5	≥5	≥5
				PET/PRIMER	≥5	≥5	≥5	≥5	≥5
7	Adhesion Strength with EVA	ASTM D 903	N/cm	Backsheet / EVA	≥70	≥70	≥70	≥70	≥70
8	Moisture Barrier@38°C, 90%RH	ASTM F 1249	g/(m ² -day)		≤1.4	≤1.5	≤1.6	≤1.7	≤2.0
9	Dielectric Strength	ASTM D 149	kV		23	18	18	17	16
10	Partial Discharge	IEC-61730-2	VDC		≥1000	≥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. PVDF



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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