

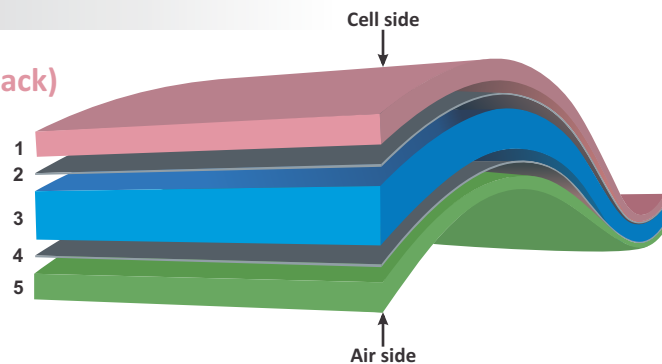
'PRESERV™ 1 - D' is Fluoro based UV and weather stable white/black backsheet. PRESERV 1 - 225WD/KD, 190WD/KD, 150WD/KD, 125WD/KD, 100WD/KD can be used for all crystalline and many Thin Film photovoltaic modules.

**BACKSHEET PROPERTIES:**

S.N	Particulars	Test Method	Unit	Description	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	295	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	Heat 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 <sup>2</sup> -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		>1500	>1500	>1500	>1500	>1500

**CONSTRUCTION:**

- 1 Proprietary Priming Layer - 100 µm (white/black)
- 2 Adhesive
- 3 PET - 225/190/150/125/100 µm
- 4 Adhesive
- 5 PVDF - 25 µm



**APPROVALS:** UL Certified. Please refer UL File No. E353124.

**PACKING:** Unless specified, below is the standard packing of 'PRESERV'

- # Length/Roll: 100 Meters
- # No. of Rolls/Pallet: 9
- # Total Linear Meters/Pallet: 900
- # Each roll is packed in a protective bag in a corrugated box
- # Nine such boxes are put on a std. Euro size pallet, suitable for export



**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 makes no warranties and assumes no liability in connection with any use of this information.