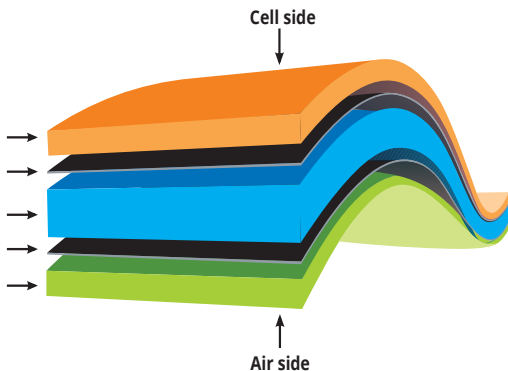


PRESERV 1 - KD

'PRESERV 1 - 150 KD, 225 KD' is a Fluoro based, UV and weather stable, air side white and PV Cells side black Backsheet. PRESERV A - 150 KD can be used for all Crystalline and many Thin - Film PV Modules.

STRUCTURE

1. Primer
2. Adhesive
3. PET
4. Adhesive
5. Fluoro Polymer



PROPERTIES - PRESERV 1 - 150 KD

Particulars	Test Method	Unit	Description	Values
Thickness	Micrometre	µm		300
Width	Scale	mm		Up to 1310
Tensile Strength @ max. load	ASTM D 882	MPa	MD TD	≥100 ≥100
Elongation @ break	ASTM D 882	%	MD TD	≥100 ≥100
Thermal Shrinkage @ 150°C, 30 min.	ASTM D 1204	%	MD TD	≤1.5 ≤0.5
Interlayer Adhesion Strength	ASTM D 903	N/cm	PVDF/PET PET/PRIMER	≥5 ≥5
Adhesion Strength with Encapsulant	ASTM D 903	N/cm	Backsheet / EVA	≥100
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

PROPERTIES - PRESERV 1 - 225 KD

Particulars	Test Method	Unit	Description	Values
Thickness	Micrometre	µm		> 360
Width	Scale	mm		Up to 1310
Tensile Strength @ max. load	ASTM D 882	MPa	MD TD	≥100 ≥100
Elongation @ break	ASTM D 882	%	MD TD	≥100 ≥100
Thermal Shrinkage @ 150°C, 30 min.	ASTM D 1204	%	MD TD	≤1.5 ≤0.5
Interlayer Adhesion Strength	ASTM D 903	N/cm	PVDF/PET PET/PRIMER	≥5 ≥5
Adhesion Strength with Encapsulant	ASTM D 903	N/cm	Backsheet / EVA	≥100
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

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 palletized vertically placed with top and bottom lid
- # No. of joints/supply: 70% Rolls will be joint-free of 180 LM, however, balance 30% rolls will be with varied joint-free length between 50 LM-180 LM

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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