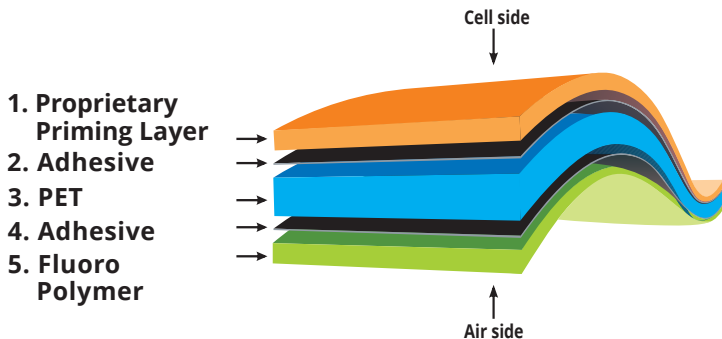


PRESERV 1 - D

'PRESERV 1 - D' is a Fluoro based, UV and weather stable Backsheet. Available in white, black and transparent versions. PRESERV 1-22 WD/KD, 190 WD/KD, 150 WD/KD, 125 WD/KD, 100 WD/KD can be used for all Crystalline and many Thin-Film PV modules.

STRUCTURE



PROPERTIES

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
Thickness	Micrometre	µm		370	335	300	270	245
Width	Scale	mm		Up to 1250	Up to 1250	Up to 1250	Up to 1250	Up to 1250
Tensile Strength @ max load	ASTM D 882	Mpa	MD TD	100 115	100 100	100 100	100 100	100 100
Elongation @ break	ASTM D 882	%	MD TD	≥115 ≥100	≥115 ≥100	≥115 ≥100	≥115 ≥100	≥115 ≥100
Thermal Shrinkage @ 150°C, 30 min.	ASTM D 1204	%	MD TD	≤1.5 ≤0.5	≤1.5 ≤0.5	≤1.5 ≤0.5	≤1.5 ≤0.5	≤1.5 ≤0.5
Interlayer Adhesion Strength	ASTM D 903	N/cm	PVDF/PET PET/PRIMER	≥5 ≥5	≥5 ≥5	≥5 ≥5	≥5 ≥5	≥5 ≥5
Adhesion Strength with Encapsulant	ASTM D 903	N/cm	Backsheet/ EVA	≥70	≥70	≥70	≥70	≥70
Moisture Barrier - MVTR @ 38°C, 90%RH	ASTM F 1249	g/(m ² -day)		≤1.4	≤1.5	≤1.6	≤1.7	≤2.0
Dielectric Strength	ASTM D 149	kV		23	18	18	17	16
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

PACKING: Unless specified, below is the standard packing of 'PRESERV'
 # Length / Roll : 100 merers | # No. of Rolls/Pallet : 9 or 12 |
 # Total Linear Metres/Pallet : 900 or 1200
 # Each roll is sealed in a protective bag in a corrugated box
 # Boxes are strapped on suitable pallets

Note : The 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 and conditions.