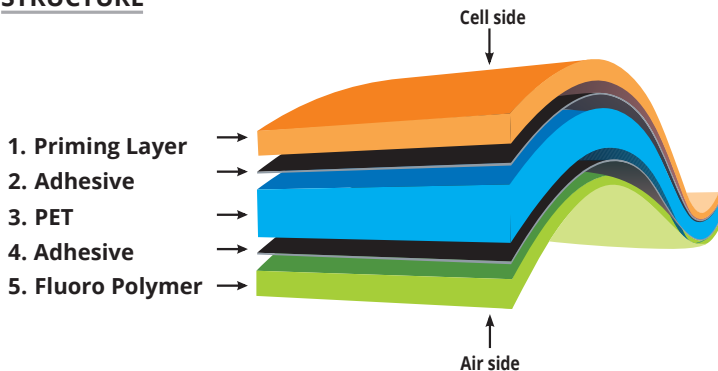


## PRESERV 1 - TF

'PRESERV 1 - 150 TF, 300 TF' is a Fluoro based, UV and weather stable, transparent Backsheet. 'PRESERV 1 - 150 TF' can be used for all Crystalline PV Modules, specially for BIPV and Bifacial.

### STRUCTURE



## PROPERTIES - PRESERV 1 - 150 TF

| Particulars                            | Test Method   | Unit                     | Description            | Values       |
|----------------------------------------|---------------|--------------------------|------------------------|--------------|
| Thickness                              | Micrometre    | µm                       |                        | 300          |
| Width                                  | Scale         | mm                       |                        | Up to 1250   |
| Tensile Strength @ max. load           | ASTM D 882    | MPa                      | MD<br>TD               | ≥90<br>≥90   |
| Elongation @ break                     | ASTM D 882    | %                        | MD<br>TD               | ≥90<br>≥90   |
| Thermal Shrinkage @ 150°C, 30 min.     | ASTM D 1204   | %                        | MD<br>TD               | <1.5<br><0.5 |
| Interlayer Adhesion Strength           | ASTM D 903    | N/cm                     | PVDF/PET<br>PET/PRIMER | >5<br>>5     |
| Adhesion Strength with Encapsulant     | ASTM D 903    | N/cm                     | Backsheet / EVA        | >70          |
| Moisture Barrier - MVTR @ 38°C, 90% RH | ASTM F 1249   | g/(m <sup>2</sup> · day) |                        | <2           |
| Dielectric Strength                    | ASTM F 149    | kV                       |                        | 20           |
| System Voltage                         | IEC 61730 - 1 | VDC                      |                        | 1000         |
| Optical Transmittance                  | ASTME - 424   | %                        |                        | 90±2         |

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

## PROPERTIES - PRESERV 1 - 300 TF

| Particulars                            | Test Method   | Unit                     | Description            | Values       |
|----------------------------------------|---------------|--------------------------|------------------------|--------------|
| Thickness                              | Micrometre    | µm                       |                        | 360          |
| Width                                  | Scale         | mm                       |                        | Up to 1250   |
| Tensile Strength @ max. load           | ASTM D 882    | MPa                      | MD<br>TD               | ≥100<br>≥100 |
| Elongation @ break                     | ASTM D 882    | %                        | MD<br>TD               | ≥100<br>≥100 |
| Thermal Shrinkage @ 150°C, 30 min.     | ASTM D 1204   | %                        | MD<br>TD               | <1.5<br><0.5 |
| Interlayer Adhesion Strength           | ASTM D 903    | N/cm                     | PVDF/PET<br>PET/PRIMER | >5<br>>5     |
| Adhesion Strength with Encapsulant     | ASTM D 903    | N/cm                     | Backsheet / EVA        | >70          |
| Moisture Barrier - MVTR @ 38°C, 90% RH | ASTM F 1249   | g/(m <sup>2</sup> - day) |                        | <2           |
| Dielectric Strength                    | ASTM F 149    | kV                       |                        | 20           |
| System Voltage                         | IEC 61730 - 1 | VDC                      |                        | 1500         |
| Optical Transmittance                  | ASTME - 424   | %                        |                        | 90 ± 2       |

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 sealed in a protective bag                    |
|         | # 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. 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. |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



CONSERV®  
E 360 - POE  
Encapsulant

1 - TF - 01/2021/1