

'CONSERV A 360 - 14 FC' is a fast curing, UV and weather stable Ethylene Vinyl Acetate photovoltaic encapsulant that can be used for all Crystalline Silicon and many Thin Film photovoltaic modules.

PROPERTIES				
S.N	Particulars	Test Method	Unit	Value
1	Density	ASTM D 792	g/cm <sup>3</sup>	0.955 - 0.960
2	Melting Point	ISO 11357-3	°C	60 - 62
3	Thickness	ASTM D 6988-08	mm	0.45 ± 5%
4	Width	Scale	mm	Up to 1240
5	Surface type	Visual		Inside: Matt; Outside: Embossed Supplied without Masking Paper
6	Tensile Strength	ASTM D 638	MPa	> 15
7	Tensile Strain	ASTM D 638	%	> 800
8	Shore Hardness	ASTM D 2240	Shore-A	58
9	Water Absorption	ISO 62-200805	%	< 0.1
10	Adhesion to Glass	ASTM D 903	N/cm	> 70
11	Adhesion to Backsheet	ASTM D 903	N/cm	> 70
12	Thermal Conductivity	ISO 2207-4	W/(m.K)	0.275
13	Specific Heat	10°C/80°C	J/(g.K)	2.5/1.93
14	Thermal Shrinkage	160 C, 5 min on Glass Plate	%	<1.0
15	Optical Transmittance	ASTM E 424	%	>92
16	UV Cut Off Wavelength	ASTM E 424	nm	360
17	Refractive Index	ISO 489		1.48
18	Dielectric Strength	ASTM D 149	kV/mm	> 25
19	Volume Resistivity	ASTM D 257	Ohm.cm	> 1.83 ×10 <sup>16</sup>
20	Gel Content	Soxhlet Method	%	> 80
Lamination Parameters				
1	Evacuation Time		Minute	4 - 6
2	Lamination Time		Minute	8 - 11
3	Temperature		°C	145-150
<b>Storage Condition &amp; Shelf Life: Store in undamaged original packaging, below 30°C and RH between 50 - 60%. Recommended to use within 9 months from the date of manufacture</b>				

**APPROVALS:**

Verified for successful performance for 2250 Hrs. Damp Heat Test by TUV Rheinland.  
RoHS and UL Certified. Please refer UL File No. E353124.

**PACKING:**

Unless specified, below is the standard packing of 'CONSERV'  
# Length/Roll: 100 meters  
# No of Rolls/Pallet: 9  
# Total Linear Meters/Pallet: 900  
# Each roll is sealed in a protective bag in a corrugated box  
# Nine boxes are put on a std. Euro 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.

