

EVA ENCAPSULANT

Model: P UVT - 14 FC

'CONSERV P UVT - 14 FC' is a fast curing, PID resistant, UV and weather stable, UV transparent Ethylene Vinyl Acetate PV encapsulant that can be used for all Crystalline PV modules. 'CONSERV P UVT - 14 FC' is a UV transparent encapsulant which allows module with blue light sensitive cells to generate high power.



PROPERTIES				
S.N	Particulars	Test Method	Unit	Value
1	Thickness	ASTM D 6988-08	mm	0.45 ± 5%
2	Width	Scale	mm	Up to 1240
3	Melting Point	ISO 11357-3	°C	70 ± 2
4	Surface type	visual	Unit	inside: matt; outside: embossed supplied without masking paper
5	Tensile Strength	ASTM D 638	MPa	15 ± 3
6	Tensile Strain	ASTM D 638	%	≥600
7	Shore Hardness	ASTM D 2240	Shore-A	70 ± 5
8	Water Absorption	ISO 62-200805	%	≤0.1
9	Adhesion to Glass	ASTM D 903	N/cm	≥70
10	Adhesion to Backsheet	ASTM D 903	N/cm	≥70
11	Thermal Conductivity	ISO 2207-4	W/(m.K)	0.27
12	Specific Heat	DSC @ 10° C/min	J/(g.K)	2.8
13	Thermal Shrinkage	160 °C, 5 min. on Glass Plate	%	≤1
14	Optical Transmittance	ASTM E 424	%	≥91
15	UV Cut Off Wavelength	ASTM E 424	nm	UV transparent
16	Refractive Index	ISO 489		1.48
17	Dielectric Strength	ASTM D149	kV/mm	≥25
18	Volume Resistivity	ASTM D 257	Ohm.cm	≥1x10 ¹⁵
19	Gel Content	Soxhlet Method	%	≥80
Lamination Parameters				
20	Evacuation Time		Minute	4-6
21	Lamination Time		Minute	8-11
22	Temperature		°C	145-150

Storage Condition & Shelf Life: Store in undamaged original packaging, temperature between 0 °C and 30 °C and humidity below 60% RH. Recommended to use within 9 months from the date of manufacture.



APPROVALS: UL Certified. Refer file No. E353124.

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



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 gives no warranty and assumes no liability in connection with any use of this information and is subject to the RenewSys general terms & conditions.

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