

## POE ENCAPSULANT

### Model: E 360

“CONSERV E 360” is a PID resistant, UV and weather stable PV Encapsulant made using Polyethylene Elastomer. This Encapsulant can be used for all Crystalline and Thin Film Modules. It is specially recommended for Glass to Glass modules for their maximum performance and durability.



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	76 ± 2
4	Surface type	Visual		Inside: Matt; Outside: Embossed Supplied without Masking Paper
5	Tensile Strength	ASTM D 638	MPa	12 ± 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 Shrinkage	160°C, 5 min. on Glass Plate	%	<1.0
12	Thermal Creep	90°C @ 250 hrs	mm	<1.0
13	Optical Transmittance	ASTM E 424	%	>91
14	UV Cut Off Wavelength	ASTM E 424	nm	360
15	Volume Resistivity	ASTM D 257	Ohm.cm	>1x10 <sup>16</sup>
Lamination Parameters				
16	Evacuation Time		Minute	4 - 6
17	Lamination Time		Minute	6 - 10
18	Temperature		°C	150-155

**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.



**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.