ELECTRO-LITE UV ADHESIVES

Technical Data Sheet
ELC-2500
UV Curable Adhesive & Potting Compound

DESCRIPTION:

ELC-2500 is an optically clear epoxy designed for deep curing up to three quarters of an inch. The ELC-2500 is an excellent potting and encapsulating material that is highly moisture and chemical resistant. Its ability to “dark cure” makes it an excellent choice when potting or joining substrates where there are “shadow” areas present.

Features:

- Good electrical insulation
- Low shrinkage
- Shadow cures
- Not inhibited by oxygen
- No out gassing
- Excellent moisture resistance

Physical Properties

Typical Uncured Properties:

Color	Clear
Specific gravity, 25 C^{o}	1.13
Viscosity	600 25 C^{o}, cps

Typical Cured Properties:

Nominal hardness	90 Shore D
Tensile strength	3,000 psi
Operating temperature range	-40 F^{o} to 350 F^{o}
CTE (ppm/C^{o})	33
Surface Resistivity	1.0
Dielectric Strength Volts/mil	450 @ 125 mils

Cure Schedule:

Cure speed is dependent upon the UV light source, thickness of material, distance from the light, and UV transmission of substrates through which the UV light must pass to reach the adhesive. Optimum curing @ 365 nm.

Storage:

Store out of sunlight and in original container. Maintain at 45 to 65 degrees F for a maximum shelf life. Avoid exposing material to moisture or Nitrogen environments.

Packaging:

ELC-2500

p/n 82254	30ml syringe
p/n 82210	1000ml bottle

Important:

The information in this brochure is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

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