

ELECTRO-LITE UV ADHESIVES

Technical Data Sheet ELC-4908 Plastic Protective Coating

Description:

The ELC-4908 is a low viscosity, highly toughened, clear UV compound that provides a self leveling coating for plastic circuit boards, labels, lenses and small electronic components. It has excellent toughness, strength and abrasion resistance in thin films as well as moisture and solvent resistance. ELC-4908 cures rapidly, in 5 seconds or less when exposed to ultraviolet light from medium pressure mercury vapor lamp. Cured performance shows excellent solvent resistance capability with good toughness and durability at all temperatures. It is designed for protecting components like LEDs, labels, PCBs from harsh environments or chemicals during processing and service life.

Features:

- ✚ **100% Solids Formulation For VOC Compliance**
- ✚ **Cures In Less than 5 Seconds With Low Intensity UV Light**
- ✚ **Excellent Air Release and coating self leveling**
- ✚ **Excellent Toughness And Flexibility**
- ✚ **Excellent solvent, moisture and chemical resistance**

Physical Properties

Typical Uncured Properties:

Viscosity	600-1000 cPs (2 rpm, Spindle 4) - sp 5 Brookfield
Specific Gravity	1.05 (20/20C)
Color	water white clear
Flashpoint	greater than 200F (COC method)
Toxicity	low to moderate, see MSDS
Clean Up Solvents	Acetone MEK

Typical Cured Properties:

Shore D Hardness	60-65
Thermal Service Range	-40C to 150C
Elongation	>40% estimated

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:

p/n 82172 30ml syringe

p/n 82173 1 liter 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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