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# TECHNICAL DATA SHEET

## SOLARITE EP-7622

**DESCRIPTION:** Solarite EP-7622 is a room temperature fast curing semi-rigid epoxy potting and casting compound, whose convenient mixing ratio makes it easy to use and well suited to automatic dispensing equipment. EP-7622 has excellent thermal cycling properties and produces high gloss void free castings when potting electrical components. Caution: EP7622 is very fast curing, only small amounts should be mixed that can be used quickly. Large amounts of mixed material will become very hot .

### SPECIFICATIONS—UNCURED:

	<b>Part A</b>	<b>Part B</b>
Color, Visual	Clear	Clear
Mix Ratio—By Weight	100	50
Viscosity, cps, ASTM-D-2393	2,800	150
Specific Gravity	1.15	0.96
Gel Time, 25°C, Hours	0.20-0.25	
Mixed Viscosity, cps, ASTM-D-1084	1,000	
Shelf Life, 25°C, Months	12	

### SPECIFICATIONS—CURED:

#### PHYSICAL:

Durometer, ASTM-D-2240	85D
Tensile Strength, psi, ASTM-D-638	11,500
Tensile Elongation, Percentage, ASTM-D-638	5.0

#### ELECTRICAL PROPERTIES:

Dielectric Strength, Volts/Mil, ASTM-D-149	422
Dielectric Constant, 1 kHz, ASTM-D-150	4.12
Dissipation Factor, 1 kHz, ASTM-D-150	0.02
Volume Resistivity, ohm/cm, ASTM-D-257	1x10 <sup>14</sup>

### **USE INSTRUCTIONS:**

1. Pre-mix contents of each container before use to ensure the entire contents are uniform. Measure out components of the product by weight or volume and mix thoroughly together to incorporate any settled material.
2. Pour into cavity to be encapsulated.

### **CURE SCHEDULE:**

Initial cure is achieved in 1-2 hours at room temperature. Final cure takes at least 7-10 days at 72F.

### **STORAGE REQUIREMENTS:**

This product has a tendency to settle upon storage and shipment, material should be mixed well prior to use. Store in a cool dry place.

### **IMPORTANT:**

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### **HEALTH CAUTION:**

Avoid breathing possible fumes, mists and vapors, which can cause severe respiratory damage. Use of NIOSH approved breathing apparatus is required for more than minimal exposure. Always work in areas with adequate ventilation to allow dissipation of polyamine and other chemical fumes, and where applicable, solvent fumes. Use of goggles, protective garments, rubber gloves, protective cream is required. If material gets into eyes, flush thoroughly with clear water for twenty (20) minutes; then seek medical treatment. Avoid skin contact. Material can cause contact dermatitis. Always wash exposed areas immediately, using warm water and soap, followed by rinsing with clean water. Observe all safety precautions. It is important when using solvent based materials or solvents to keep away from open flame or ignition source.

**PLEASE REFER TO MATERIAL SAFETY DATA SHEET FOR FURTHER FIRST AID INFORMATION.**

FOR CHEMICAL EMERGENCY  
CALL CHEMTREC (DAY OR NIGHT) 800-424-9300.