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TECHNICAL DATA SHEET

SOLARITE EA- 0576

DESCRIPTION: Solarite EA- 0576 is a very fast room temperature curing adhesive compound, whose convenient mixing ratio makes it easy to use and well suited to automatic dispensing equipment. Solarite EA- 0576 cures in a 25 gram mass in under 30 minutes and gives a very flexible epoxy used in the manufacture of filter end caps, with excellent adhesion to metals, composites, fabrics and plastics.

SPECIFICATIONS—UNCURED:

	Part A	Part B
Color, Visual	White	Clear
Mix Ratio—By Weight	100	15
Viscosity, cps, ASTM-D-2393	3,000	200
Specific Gravity	1.50	0.97
Gel Time, 25°C, Hours		0.1-0.2
Mixed Viscosity, cps, ASTM-D-1084		2,800
Shelf Life, 25°C, Months		12

SPECIFICATIONS—CURED:

PHYSICAL:

Durometer, ASTM-D-2240	30-35D
Durometer, ASTM-D-2240	80-85A
Compressive Strength, psi, ASTM-D-695	na
Tensile Strength, psi, ASTM-D-638	na
Tensile Elongation, Percentage, ASTM-D-638	75.0
Service Temperature, °C	105

USE INSTRUCTIONS:

1. Pre-mix contents of each container before use to ensure the entire contents are uniform. Some settling may occur upon prolonged storage which is soft and easily incorporated.
2. Measure out components of the product by weight and mix thoroughly together to incorporate any settled material.
3. De- air if necessary at 760 mm of Hg for 5-10 minutes.
4. Pour into cavity to be encapsulated.

CURE SCHEDULE:

Initial cure is achieved in 16-24 hours at room temperature. Final cure takes at least 7-10 days at 72F. To accelerate the cure higher temperatures can be used, 2-4 hours at 150 F is usually sufficient .

STORAGE REQUIREMENTS:

This product has a slight 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 keEA 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.