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PRIMA-BOND
SR8850-2

**Conductive RTV Silicone
 Sealant/Adhesive/Coating
 No Corrosive By-Products**

IDEAL FOR:

- EMI/RFI Shielding Applications**
- Caulking Use**
- Bonding Mismatched CTE Materials**

DESCRIPTION:

SR8850-2 is a pure silver-plated copper filled conductive RTV silicone sealant. This one-component electrically conductive silicone adhesive cures at room temperature when exposed to atmospheric moisture. The material has no corrosive by-products and has good adhesion properties to metals, plastics, silicones, ceramics and glass.

SR8850-2 is provided as a one-part electrically conductive elastomer silicone adhesive sealant with a compatible primer. The adhesive has a continuous operating temperature of 125°C. (For maintaining conductivity for continuous operation temperature up to 200°C or higher, see SR 8850).

AVAILABILITY:

The material is normally supplied in a 2.5, 4.0, or 10 oz. kit. It consists of the silicone adhesive portion in a plastic dispenser cartridge with the primer in a glass or metal container. Each individual kit is heat sealed in aluminum bag with a dessicant.

APPLICATION PROCEDURES:

- (1) The surface to which SR8850-2 is to be applied should be thoroughly cleaned.
- (2) The primer is applied in a manner to produce a thin, uniform coating.
- (3) Allow primer to air dry for not less than one hour and protected from contamination.

TYPICAL PROPERTIES*

Electrical Resistivity (25°C °C/ 24 hours)	<1x10 ⁻² ohm-cm
Dielectric Strength (Volts/mil)	
Glass Transition Temp.(°C)	
Current Carrying Capabilities	Not Applicable
Lap-Shear Strength	350 psi 2.4 N/mm ²
Device Push-off Strength	N/A
Hardness (Type)	50 (A)
Cured Density (gm/cc)	2.6
Thermal Conductivity	7 Btu-in/hr-ft ² -°F 1.0 W/m-°C
Linear Thermal Expansion Coeff. (ppm/°C)	
Maximum Continuous Operation Temp. (°C)	125°C

* Properties given are typical values and not intended for use in preparing specifications. The user is advised to evaluate the product in the manner the product is intended to be used in manufacturing and in the final product.

CURE SCHEDULES:

<u>Temperature</u>	<u>Time</u>
25°C	24 hr

**Must be stored in sealed containers, moisture sensitive. When opened, all portions should be sealed and stored at low temperature for later usage.

SHELF LIFE:

<u>Storage temperature</u>	<u>Shelf Life</u>
25°C	**6 mo

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