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PRIMA-BOND
EG9095

**One or Two Component
 Electrically Conductive
 Epoxy Paste Adhesive**

IDEAL FOR:

- ESD Protection**
- EMI/RFI Shielding**

DESCRIPTION:

EG9095 is a two-part, carbon filled, room temperature curable epoxy coating adhesive. It is electrical conductive for ESD protection or EMI/RFI shielding applications.

The coating possesses a long pot life and fast elevated temperature curing characteristics for automated production.

AVAILABILITY:

EG9095 is available in syringes for automatic needle dispense applications or in jars. Both viscosity and thixotropic index can be modified to your specific needs. EG9095 can be premixed and frozen.

APPLICATION PROCEDURES:

- (1) Mix adhesive in 1:1 ratio.
- (2) Dispense adhesive onto clean substrate.
- (3) Cure according to one of the recommended schedules.

If material is premixed and frozen, thaw for 30 minutes and cure according to one of the recommended schedules.

TYPICAL PROPERTIES*

Electrical Resistivity (150 °C/ 5 minutes)	< 10 ohm-cm
Dielectric Strength (Volts/mil)	N/A
Glass Transition Temp.(°C)	45
Current Carrying Capabilities	N/A
Lap-Shear Strength	N/A
Device Push-off Strength	>1000 psi >6.9 N/mm ²
Cured Density (gm/cc)	2.0
Thermal Conductivity	6 Btu-in/hr-ft ² -°F 0.86 W/m-°C
Linear Thermal Expansion Coeff. (ppm/°C)	110
Maximum Continuous Operation Temp. (°C)	160
Avg. Viscosity(0.5 rpm, 24°C) (Brookfield DV-1, spindle CP51)	161,000 cp

* 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	48 hr
80°C	60 min
150°C	5 min

SHELF LIFE:

<u>Storage temperature</u>	<u>Shelf Life</u>
25°C	**1 yr

**Shelf life is for unmixed components. If premixed: -40°C for 6 months. Pot life is 4 hours at 25°C, after mixing.

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