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PRIMA-BOND
EG8020

High Strength
One or Two Component
Electrically Conductive
Epoxy Paste Adhesive

IDEAL FOR:

- Die Attach**
- Substrate Attach (Matched CTE's)**

DESCRIPTION:

EG8020 is a two-part, silver filled, room temperature curable adhesive.

TYPICAL PROPERTIES*

Electrical Resistivity (150 °C/ 30 minutes)	<2x10 ⁻⁴ ohm-cm
Dielectric Strength (Volts/mil)	N/A
Glass Transition Temp.(°C)	50
Current Carrying Capabilities	> 40 Amp/mm ²
Lap-Shear Strength	>900 psi >6.2 N/mm ²
Device Push-off Strength	>1700 psi >11.7 N/mm ²
Cured Density (gm/cc)	3.5
Thermal Conductivity	40 Btu-in/hr-ft ² -°F 5.7 W/m-°C
Linear Thermal Expansion Coeff. (ppm/°C)	40
Maximum Continuous Operation Temp. (°C)	130
Avg. Viscosity(0.5 rpm, 24°C) (Brookfield DV-1, spindle CP51)	150,000 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.

AVAILABILITY:

EG8020 is available in syringes for automatic needle dispense applications or in jars. Both viscosity and thixotropic index can be modified to your specific needs. It can be premixed and frozen.

APPLICATION PROCEDURES:

- (1) Mix adhesive in 1:1 weight ratio. (Note: In kit form, Part A viscosity >>Part B viscosity)
- (2) Dispense adhesive onto clean substrate.
- (3) Cure according to one of the recommended schedules.

CURE SCHEDULES:

<u>Temperature</u>	<u>Time</u>
25°C	120 hr
80°C	8 hr
100°C	4 hr
125°C	2 hr
150°C	1 hr

SHELF LIFE:

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

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

**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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