



ISO-9001-2015 Certified

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# TECHNICAL BULLETIN

## EPOXIBOND™ EB-350-3FL-LV ONE COMPONENT EPOXY ADHESIVE & ENCAPSULANT

**EB-350-3FL-LV** is one part, heat cured epoxy resin system. Applications include potting and encapsulating small densely packaged power supplies, integrated circuits, thick film hybrid devices, D/A converters, oscillators, amplifiers, relays, transformers and semiconductors etc.

Fully cured **EB-350-3FL-LV** provides excellent resistance to salt solutions, mild acids and alkalis, and many other chemicals including petroleum solvents, lubricating oils, and alcohol.

### TYPICAL HANDLING PROPERTIES:

Viscosity @ 25°C, cp	30,000–40,000
Pot life at 80°C, minutes	20
Recommended Cure	1 hr @ 80°C+ ½ hr/150°C
Alternate Cure	2 hrs @ 125°C
Or	30 minutes @ 150°C

### TYPICAL CURED PROPERTIES AFTER RECOMMENDED CURE:

(Tested @ 25°C unless otherwise indicated)

Color	Black
Specific Gravity	1.52
Hardness, Shore D	62
Water Absorption (24 hrs at 25°C), %	0.09
Thermal Conductivity, W/m°C	0.8
Flexural Strength, psi	11,200
Flexural Modulus, psi	5x10 <sup>5</sup>
Service Temperature range, °C	-55 to 230
Glass Transition Temperature, °C	110
Coefficient of Linear Thermal Expansion, 10 <sup>-6</sup> /°C	
Below Tg	58
Above Tg	185
Dielectric Constant at 1 kHz	4.5
Dissipation Factor at 1 kHz	0.01
Volume Resistivity, ohm-cm	1x10 <sup>15</sup>

### INSTRUCTIONS FOR USE:

1. Use dispensing equipment for best results.
2. For small applications, apply the product using a syringe or clean spatula.
3. Avoid air entrapment to obtain optimum cured properties.
4. Proceed with the bonding application and cure as recommended.
5. Typical cured properties were determined using recommended cure schedule. Some difference in properties may occur with the alternate or other cure schedules.

### AVAILABILITY:

Packaged in Pint, Quart and Gallon size  
30cc syringe & 8 OZ Semco Cartridge

### SHELF LIFE (STORAGE TEMPERATURE):

Average 25°C	3 months
below 10°C	6 months
below -40°C	12 months

### FOR INDUSTRIAL USE ONLY:

Practices of good housekeeping, safety and cleanliness should be followed before, during and after use.

### WARNING!

Adequate ventilation of workplace and ovens is essential. These materials may cause injury to the skin following prolonged or repeated contact and dermatitis in susceptible individuals. In case of skin contact, wash thoroughly with soap and water. For eyes, flush immediately with plenty of water for at least 10 minutes and seek medical attention. Refer to Material Safety Data Sheet (MSDS) for additional health and safety information.

**DISCLAIMER:** All data given here is offered as a guide to the use of these materials and not as a guarantee of their performance. The user should evaluate their suitability for own purposes. Properties are typical and should not be used in preparing specifications. Statements are not to be construed as recommendations to infringe any patent.