

PRODUCT DESCRIPTION:

AA-BOND FDA2T- HV is a thixotropic epoxy resin system specifically developed for medical device applications. It has been tested in accordance with USP biological reactivity tests, in vivo and received Class VI approval.

AA-BOND FDA2T-HV is an effective electrical insulator, and it provides low permeability to gases and vapors and good resistance to water, weather, lubricants and fuels, to mild acids and alkalis, and many other organic and inorganic compounds.

GENERAL PROPERTIES:

| | |
|----------------------------|--|
| Appearance | Amber |
| Curing | Room temperature and Heat cure |
| Benefits | <ul style="list-style-type: none"> • High viscosity mixture • Low temperature cure • Low permeability to vapors and gasses • Good electrical insulator |
| Mix Ratio by weight | 100:30 / Resin: Hardener |
| Typical Application | <ul style="list-style-type: none"> • Food manufacturing and preparation processing and packaging |

UNCURED PROPERTIES:

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|------------------------------------|------------|
| Specific Gravity, mixed | 1.21 |
| Reactive solids contents, % | 100 |
| Pot Life | 45 minutes |
| Shelf life | 1 Year |

CURE SCHEDULE:

| | |
|-----------------|------------------|
| AT 25 °C | 24 hours |
| AT 65 °C | 2-3 hours |

PHYSICAL AND ELECTRICAL PROPERTIES:

| | |
|--|-----------------------------|
| Hardness, Shore D | 81 |
| Dielectric strength, volts/mil | 420 |
| Glass transition TG °C | 54 |
| Operating Temperature °C | -20 to 145 |
| Volume Resistivity, ohm-cm @ 25°C | 1.20×10¹⁴ |

GENERAL INFORMATION:

For safe handling information on this product, consult the Safety Data Sheet (SDS).

HOW TO USE:

1. Carefully clean and dry all surfaces to be bonded.
2. AA-BOND FDA2T-HV completely mixed adhesive to the prepared surfaces, and gently press these surfaces together. Contact pressure is adequate for strong, reliable bonds; however, maintain contact until adhesive is completely cured.
3. Some separation of components is common during shipping and storage. For this reason, it is recommended that the contents of the shipping container be thoroughly mixed prior to use.
4. Some ingredients in this formulation provided may crystallize when subjected to low temperature storage. A gentle warming cycle of 52°C for 30 minutes prior to mixing components may be necessary. Crystallized epoxy components do not react as well as liquid components and should be re-dissolved prior to use for best result.

AVAILABILITY:

This epoxy can be supplied in many different packages.

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