

AA-BOND FDA2T-HV

Food and Drug Application Epoxy Adhesive

Technical Product Bulletin

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	 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	 Food manufacturing and preparation processing and packaging 	

UNCURED PROPERTIES:

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	1.20×10 ¹⁴

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.

Atom Adhesives

Email: info@atomadhesives.com 1 Acorns St, Providence, RI 02903 Phone: (888) 522-6742 - Fax: (877) 522-6742

Atom Adhesives MAKES NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR OTHERWISE with respect to its products. In addition, while the information contained herein is believed to be reliable, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. All reamendations or suggestions for use are new without guarantee in as much as conditions of use are beyond our control. The properties given are TYPICAL VALUES and are not intended for use in preparing specifications. Users should make their own tests to determine the suitability of this product for their own purposes