

PRODUCT DESCRIPTION:

AA-BOND FDA22 is a high viscosity epoxy resin system specifically developed for bonding and coating applications in accordance with Title 21, U.S. Code of Federal Regulations, Food and Drug Administration (FDA) Chapter 1, Sub Part B, Sections 175.105 and 175.300.

AA-BOND FDA22 is two-parts tan adhesive is easily mixed, used and cured at room temperature for bonding, laminating and repair applications by manufacturers of food preparation, processing and packaging equipment, and by manufacturers of catheters, hearing aids, dental products and other biomedical instruments and devices.

AA-BOND FDA22 is an effective electrical insulator, and it provides low permeability to gases and vapors, and good resistance to water, weather, galvanic action, to petroleum solvents, lubricants and fuels, to mild acids and alkalis, and to many other organic and inorganic compounds.

PRODUCT DESCRIPTIONS:

Appearance	Light Tan
Cure Type	Heat cure or Room temperature
Benefits	<ul style="list-style-type: none"> • High viscosity • Easily mixed • Electrical insulator • Low permeability • Good resistance
Mix Ratio by weight	100:40 / Resin:Hardener
Substrates	Most metals, ceramic, glass and plastics
Operating Temperature	-70 to 145 °C
Typical Applications	Bonding, laminating and repair applications by manufacturers of food preparation, processing and packaging equipment, and by manufacturers of catheters, hearing aids, dental products and other biomedical instruments and devices.

UNCURED PROPERTIES:

Viscosity @ 25 °C cps	27,000
Thixotropic Index	1.2
Specific Gravity, mixed	1.44
Reactive solids contents, %	100
Pot Life	3 hours

CURED PROPERTIES:

Hardness, Shore D	78
CTE, Linear	26.1 $\mu\text{in}/\text{in}\text{-}^\circ\text{F}$
Dielectric strength kv/in	420
Elongation at Yield	5.0 %
Adhesive Bond Strength	2100 psi Lap shear, alum to alum

ELECTRICAL PROPERTIES:

Volume Resistivity	1.50e+14 ohm-cm
Dielectric Constant	3.5 @Frequency 1000 Hz
Dielectric Strength	420 kv/in
Dissipation Factor	0.020 @Frequency 1000 Hz

CURE SCHEDULE:

1-4 Hours	@ 65°C
24 to 36 Hours	@ 25°C

GENERAL INFORMATION:

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

HOW TO USE:

1. Carefully clean and dry all surfaces to be bonded.
2. Apply AA-BOND FDA22 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 results.

AVAILABILITY:

This epoxy can be supplied in many different packages.

Atom Adhesives

Email: info@atomadhesives.com

200 Allens Ave, Providence, RI 02903

Phone: (888) 522-6742 - Fax: (877) 522-6742