

PRODUCT DESCRIPTION:

AA-BOND FDA8 EPOXY ADHESIVE is a low 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.

GENERALE PROPERTIES:

Appearance	Amber
Cure Type	Heat cure or Room Temperature
Benefits	<ul style="list-style-type: none"> • Low viscosity • Easily mixed • Effective electrical insulator • Low permeability to gases and vapors
Mix Ratio by weight	100:100 / Resin: Hardener
Typical Applications	FDA Grade Applications, food packaging, indirect contact with food and medical applications

UNCURED PROPERTIES:

Viscosity @ 25 °C	1,500 (After Mixing) @Temperature 77.0 °F, 25.0 °C
Thixotropic Index	1.0
Specific Gravity, mixed	1.11
Reactive solids contents, %	100
Pot Life	45 minutes

CURE SCHEDULE:

4 Hours	@ 65°C
24 Hours	@ 25°C

CURED PROPERTIES:

Hardness, Shore D	65
Dielectric strength volts/mil	410

ELECTRICAL PROPERTIES:

Volume Resistivity	1.00e+14 ohm-cm
Dielectric Constant	3.35 @Frequency 1000 Hz
Dielectric Strength	410 kV/in
Dissipation Factor	0.020 @Frequency 1000 Hz

THERMAL PROPERTIES:

Operating Temperature	-70 to 145 °C
CTE, linear	29.4 µin/in-°F @Temperature 68.0 °F

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 FDA8 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

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