

PRODUCT DESCRIPTION:

AA-BOND 16LP is a two parts system adhesive designed for bonding most types of Porcelain, acrylic and most thermoplastic substrate.

AA-BOND 16LP is a low viscosity, room temperature cure, epoxy system with good cured properties that contains no solvents, has excellent wicking and wetting characteristics, and adheres strongly to glass, ceramics, most metals and plastics.

AA-BOND 16LP provides excellent resistance to salt solutions, mild acids and alkalis and many other chemicals including petroleum solvents, lubricating oils and alcohol.

PRODUCT PROPERTIES:

Color	Part A (Resin): Clear Part B (Hardener): Clear to light yellow Mixed : Clear to light yellow
Components	2 components - requires mixing
Cure Type	Room Temperature or Heat cure <ul style="list-style-type: none"> • Low viscosity • Solvent-free
Benefits	<ul style="list-style-type: none"> • Good wetting • High voltage • Good resistance to salt solutions, some mild acids and lubricating oil Etc.
Mix Ratio by weight	2:1 Resin to Hardener
Operating Temperature	-40°C (-40°F) to +130°C (266°F)
Substrates	Most types of porcelain and metals, Ceramics, Glass and Etc. Automotive, Aerospace, Photonic, Assembly, industries, Also can be used anywhere that requires excellent chemical fastening, small potting and sealing applications.
Typical Applications	

UNCURED PROPERTIES:

Mixed Viscosity @ 25 °C cps	800 ±200
Specific Gravity gm/cc	Mixed: 1.06
Reactive solids contents, %	100
Pot Life	45 minutes
Shelf life	1 year in jars 6 months in plastic pouch

CURE SCHEDULE:

24 hours	25°C (77°F)
4 hours	65°C (149°F)

CURED PROPERTIES:

Hardness, Shore D	82
Refractive Index	1.53
Volume Resistivity ohm. cm	6.0 E+13
Lap Shear Strength alum to alum, PSI	3000 (24 hrs. @ 25°C) 2,600 (4 hrs. @ 65°C)
Water Absorption , after 24 hours saturation, %	0.01

THERMAL PROPERTIES:

Glass Transition Temperature (Tg)	53°C (127.4 °F)
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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. Apply AA-BOND 16LP 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.
5. Allow the product to cure according to the cure schedule.

AVAILABILITY:

This epoxy can be supplied in many different packages.

Atom Adhesives

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