

PRODUCT DESCRIPTION:

AA-BOND F131 is two parts fiber-optic adhesive used for terminating ALL types of fiber-optic connectors as well as LED displays, lenses and other optical components.

AA-BOND F131 produces a typical Tg of 95 °C thus meeting specification requirements of connector's manufacturers.

AA-BOND F131 is two part, low viscosity system can be cured at room temperature or as fast as 15 minutes at 90 °C.

GENERAL PROPERTIES:

Appearance	Clear
Cure Type	Room Temperature or Heat cure
Benefits	Low viscosity
Mix Ratio by weight	100:30 / Resin:Hardener
Typical Applications	ALL types of fiber-optic connectors as well as LED displays, lenses and other optical components.

UNCURED PROPERTIES:

Viscosity @ 25 °C	1,800 ±200 @Temperature 25.0 °C, 77.0 °F
Thixotropic Index	1.0
Specific Gravity, mixed, g/cc	1.21
Shelf life	1 year

CURE SCHEDULE:

15 minutes	@ 90°C; 1 drop applications
1 Hour	@ 65°C
18 Hours	@ 25°C

CURED PROPERTIES:

Hardness, Shore D	77
Lap shear strength, psi	3600 (Alum to Alum)
Izod Impact, Notched	0.220 ft-lb/in

ELECTRICAL PROPERTIES:

Volume Resistivity	1.00e+11 ohm-cm
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THERMAL PROPERTIES:

Operating Temperature	-60 to 120 °C
Glass Transition Temp, Tg	95.0 °C 203 °F

GENERAL INFORMATION:

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

HOW TO USE:

- Carefully clean and dry all surfaces to be bonded.
- Apply this 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.
- 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.
- 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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