

PRODUCT DESCRIPTION:

AA-BOND F156 is a black, solvent free thixotropic epoxy recommended for high quality photographic industry, laminating, production and repair applications where a room temperature cure optically opaque adhesive for light sensitive components is required.

AA-BOND F156 is two parts smooth paste formulation is easy to use, develops strong bonds to itself and to most materials.

AA-BOND F156 exhibits low shrinkage during cure, has excellent dimensional stability over a wide temperature range.

PRODUCT PROPERTIES:

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|-----------------------------|---|
| Appearance | Black, Opaque |
| Cure Type | Room temperature or Heat cure |
| Benefits | <ul style="list-style-type: none"> • Easy to use • Good low-temperature structural, physical and electrical properties • It's resistant to water, weather, gases, salts, mild acids, alkalis, and many organic and inorganic compounds |
| Mix Ratio by weight | 100:12 / Resin: Hardener |
| Substrates | Glass and glass fabrics, ceramics, leather, metals and many plastics |
| Typical Applications | High quality photographic industry bonding, laminating, production and repair applications where a room-temperature cure optically opaque adhesive for light sensitive components is required |

UNCURED PROPERTIES:

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|--------------------------------------|--|
| Viscosity @ 25 °C, cps | 50,000 After mixing @Temperature 77.0 °F, 25.0 °C |
| Specific Gravity, mixed, g/cc | 1.57 |
| Pot life | 30 minutes |
| Reactive solids contents, % | 100 |
| Shelf life | 1 year |

CURE SCHEDULE:

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|-----------------|--------|
| 4 Hours | @ 65°C |
| 24 Hours | @ 25°C |

CURED PROPERTIES:

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| Glass transition temperature (Tg), °C | 95 |
| Hardness, Shore D | 90 |

ELECTRICAL PROPERTIES:

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|----------------------------|---------------------------|
| Dielectric Constant | 4.3 @Frequency 1000 Hz |
| Dielectric Strength | 390 kV/in |

THERMAL PROPERTIES:

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|------------------------------|--|
| CTE, linear | 18.3 µin/in-°F @Temperature 68.0 °F |
| Operating Temperature | -60 to 130 °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 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.
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.

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