

PRODUCT DESCRIPTION:

AA-BOND 2170 is a flexible thixotropic bonding adhesive designed for bonding all types of plastics including nylon, PVC, polyethylene, acrylic, lexan, kapton or almost any thermoplastic substrate.

AA-BOND 2170 is low viscosity and easy to apply, can cure at room temperature.

AA-BOND 2170 is high technology epoxy was formulated for applications in the automotive, medial, aerospace, photonic and assembly industries and can be used anywhere that require excellent chemical fastening to plastic parts.

PRODUCT PROPERTIES:

Appearance	Amber
Cure Type	Heat cure or Room Temperature
Benefits	<ul style="list-style-type: none"> • Low viscosity • Easy to apply
Mix Ratio by weight	100:100 / Resin: Hardener
Substrates	All types of plastics including nylon, PVC, polyethylene, acrylic, lexan, kapton or almost any thermoplastic substrate.
Operating Temperature	-60 to 115 °C
Typical Application	Automotive, Medical, Aerospace, Photonic, Assembly, industries, Also can be used anywhere that requires excellent chemical fastening to plastic parts.

UNCURED PROPERTIES:

Viscosity @ 25 °C cps	3,490 @Temperature 77.0 °F, 250 °C
Specific Gravity, mixed	1.19
Reactive solids contents, %	100
Pot Life	60 minutes
Shelf life	1 Year

CURING SCHEDULE:

1 Hour	@ 65°C
24 Hours	@ 25°C

CURED PROPERTIES:

Glass transition temperature (Tg), °C	10.0
Hardness, Shore D	65
Lap shear strength, psi	2400 (Alum to Alum)

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 2170 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

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