

"This product is not intended for defroster or back glass repair"

PRODUCT DESCRIPTION:

AA-CARB 61 is an epoxy adhesive and coating formulation based on conductive carbon.

AA-CARB 61 is recommended for electronic bonding and sealing applications that require both fine electrical and mechanical properties.

AA-CARB 61 cures at room temperature or can be accelerated with mild heat to form a tenacious bond between similar and dissimilar substrates.

PRODUCT PROPERTIES

Appearance	Black
Cure Type	Room temperature or Heat cure
Benefits	<ul style="list-style-type: none"> • Continuity of conductivity • High adhesion • Wide operating temperature range
Mix Ratio by weight	100:10 / Resin:Hardener
Substrates	Aluminum, copper, magnesium, steel, bronze, nickel, ceramic, glass, phenolic, G-10 epoxy glass boards
Typical Application	Electronic bonding and sealing applications that require both fine electrical and mechanical properties.

UNCURED PROPERTIES:

Compressive Strength, psi	13,000
Specific Gravity, mixed	1.50 g/cc
Pot Life, 100 g @ 25°C	30 minutes
Mixed Viscosity @ 25°C cps	Paste
Shelf life	1 Year

CURE SCHEDULE:

15 minutes	@ 100 °C
1 hour	@ 60 °C
24 hours	@ Room Temperature

MISC PROPERTIES:

Volume Resistivity ohm · cm	< 40
Tensile Strength, psi	9,500
Shrinkage Linear	0.003 in/in
Hardness, Shore D	85
Compressive Strength, psi	14,000

THERMAL PROPERTIES:

Thermal Conductivity, btu / hr / ft2 / °F / in:	8.5
Thermal Expansion Coefficient	1.5
Heat Distortion, °C	95
Operating Temperature Range, °C	-50 to +170

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-CARB 61 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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