

PRODUCT DESCRIPTION:

AA-DUCT 2979 is a fast curing one part epoxy adhesive with superior electrical conductivity and bonding capability.

AA-DUCT 2979 has been shown to retain their properties through hundreds of hours of rapid temperature cycling and has also high impact absorption and stress resistance.

PRODUCT PROPERTIES:

Appearance	Silver
Cure Type	Heat cure
Benefits	<ul style="list-style-type: none"> • High strength • Excellent mechanical, electrical properties
Substrates	Excellent choice for Integrated Circuits, aluminum, copper, magnesium, steel, bronze, nickel, ceramic, glass, phenolic and G-10 epoxy glass boards.
Operating Temperature	-40°C to 165 °C
Outgassing, NASA	Passes
Thixotropic Index	3.4
Pot Life	2 months at 25°C 6 months at -40°C

UNCURED PROPERTIES:

Viscosity @ 25 °C cps	65,000 @Temperature 77.0 °F
Shelf Life	2 months at 25°C 6 months at -40°C
Adhesive Bond Strength	1750 psi
Density	3.5
Thermal Conductivity, W/m.K	0.90
Coefficient of Thermal Expansion	57x 10 ⁻⁶ (in/in) C
Lap Shear Strength, PSI	9200

CURE SCHEDULE:

15 minutes	@ 150°C
1 hour	@ 125°C

CURED PROPERTIES:

Hardness, Shore D	86
Volume Resistivity ohm-cm	3 x 10 ⁻⁴

ELECTRICAL PROPERTIES:

Glass Transition Temp, Tg	45.0 °C, 113 °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-DUCT 2979 to the prepared surfaces.
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.

AVAILABILITY:

This epoxy can be supplied in many different packages.

Atom Adhesives

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