



Manufacturer:
ÅngströmBond®

Product Name:
ÅngströmBond® AB2902 Electrically & Thermally Conductive Silver Epoxy, Room Temperature & Heat Cure (2.5g)

Manufacturer Part Number:
AB2902-2.5G



▶ [Click here for more details on the ÅngströmBond® AB2902 Electrically & Thermally Conductive Silver Epoxy, Room Temperature & Heat Cure \(2.5g\)](#)



Adhesives

Advanced Polymers for High Tech Applications

ÅngströmBond® AB2902

Room Temperature Cure, Electrically Conductive, Low Outgassing Epoxy

Description:

AB2902 is a two component, high performance, silver filled, room temperature curing adhesive. AB2902 is filled with conductive metals for both electrical and thermal conductivity. AB2902 meets the requirements of NASA outgassing testing (ASTM E-595) and offers high strength and excellent electrical conductivity.

Typical Physical Properties:

Color Mixed:	Silver
Color Part A: Silver	
Color Part B: Clear	
Specific Gravity, g/cc:	3.3
Volume Resistivity:	
Ohms-cm(7days@25°C)	<0.005
Ohms-cm(3hrs@80°C)	<0.002
Service Temperature:	-60-125°C
Hardness, Shore D:	>80
Lap Shear Strength, psi (Al/Al):	1000
Thermal Conductivity, W/m²K	3.0

Handling Characteristics:

Mix Ratio by Weight,
Resin to Hardener: 100/6

Pot Life @ 25°C: 3 hours

Minimum Cure Schedule, by DSC:

 @25°C 24hours

 @80°C 3hours

To achieve ultimate properties and NASA outgassing, cure for a minimum of 3 hours @80°C

NASA Outgassing (ASTM E-595)

(cured 3 hours @ 80°C)

TML 0.47%

CVCM 0.01%

WVR (Water Vapor Regain) 0.12%

Application Directions:

Safely remove divider from package. Knead package vigorously until uniform color is achieved and material is thoroughly mixed. Cut open end of package and dispense.

ÅngströmBond® is a registered trademark of Fiber Optic Center, Inc., New Bedford MA, USA

Fiber Optic Center™, Inc. MAKES NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS OR OTHERWISE, with respect to its products. In addition, while the information herein is believed to be reliable, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. All recommendations or suggestion for use are made without guarantee – inasmuch as conditions of use are beyond our control. The properties given are typical values, and are not intended for use in preparing specifications. Users should make their own test to determine the suitability of this product for their own purposes.

09/2024

Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice. FOC last update 4/24/2026.