

# Electrically/Thermally Conductive Silver Epoxy

## Silver Conductive Epoxy..... 2-Part epoxy

- **100% solids, Two-component, Silver filled Epoxy**
- **Suitable for continuous Operating Temperature up to 175-200°C**
- **Intermittent Operating Temperature up to 300°C**
- **Soft, Smooth, and Thixotropic Paste**
- **1:1 Mixing Ratio**
- **Forms high strength conductive bonds**
- **NASA approved**
- **Suitable for Sputtering Target bonding to OFHC Cu plate**

### Typical Properties

Parameter	Value/Information	Remarks
Number of Components	2	Part A (epoxy resin and silver powder) Part B (hardener and silver powder) Mix contents of each container (A, and B) thoroughly before mixing the two together
Mixing ratio	1:1	By weight
Cure Schedule	175°C 80°C	45 sec 3 hours
Operating Temperature	-55°C to 175-200°C -55°C to 300°C	Continuous Intermittent
Pot Life	2.5 days	It will not dry out or become tacky during pot life
Shelf Life	1 year	Store at @ 23°C
Volume Resistivity	≤ 0.0004 ohm-cm	@ 23°C
Thermal Conductivity	29 W/m <sup>2</sup> K	
Outgassing	0.59% 1.67%	200°C 300°C
Shore D Hardness	75	
Color	Silver	Part A and B

Data above subject to change without notice.  
To be used as a guide only.  
Epoxy



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