



ISO-9001-2015 Certified

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TECHNICAL BULLETIN

EPOXIOHM™ EO-98HT

ELECTRICALLY CONDUCTIVE EPOXY ADHESIVE

EPOXIOHM™ EO-98HT is one part, silver filled, high electrical conductivity epoxy adhesive. It has smooth creamy consistency with long work life. It requires heat cure to obtain optimal properties. EO-98HT offers excellent volume resistivity which is maintained even at elevated temperatures. Common applications include die attach, lead conductor, and solder replacement.

<u>TYPICAL HANDLING PROPERTIES:</u>	
Consistency	Smooth paste
Viscosity, cp	35,000 – 55,000
Work Life, hours	30 days
Shelf life	@ -40°C >1 year
	@ 10°C 3 months
	@ 20°C 1 month
Recommended Cure	
	5 minutes @ 150°C
Or	30 minutes @ 125°C
<u>TYPICAL CURED PROPERTIES:</u>	
(Tested at 25°C unless otherwise indicated)	
Color	Silver
Specific Gravity	3.5
Hardness, Shore D	85
Lap Shear Strength to Aluminum, psi	>1200
Die Shear Strength (2x2mm Au die), kg-f	18.2
Volume Resistivity, ohm-cm	<0.0003
Thermal Conductivity, W/mK	1.8
Glass Transition Temperature, °C	136
Service Temperature, °C	
Continuous	250
Intermittent	325
Thermal Conductivity, W/mK	1.8
Coefficient of Thermal Expansion, ppm/°C	
Below Tg	42
Above Tg	200
Ionic Impurities*:	
Chloride (Cl-)	< 100 ppm
Sodium (Na+)	< 20 ppm
Potassium (K+)	< 20 ppm

INSTRUCTIONS FOR USE:

1. Remove from the freezer, do not remove the cover and let it thaw at room temperature for about 5 to 10 minutes depends on the quantity.
2. Wipe any condensed moisture from the container and open the cover.
3. Apply to clean bonding surfaces and cure as recommended to achieve the desired properties.
4. Typical cured properties were determined using recommended cure schedule. Some difference in properties may occur with the alternate or other cure schedules.

AVAILABILITY:

Premixed and frozen - Packaged in 3cc, 5cc, 10cc disposable syringes, or 1lb container.

FOR INDUSTRIAL USE ONLY:

Practices of good housekeeping, safety and cleanliness should be followed before, during and after use.

WARNING!

Adequate ventilation of workplace and ovens is essential. These materials may cause injury to the skin following prolonged or repeated contact and dermatitis in susceptible individuals. In case of skin contact, wash thoroughly with soap and water. For eyes, flush immediately with plenty of water for at least 10 minutes and seek medical attention. Refer to Material Safety Data Sheet (**MSDS**) for additional health and safety information.

DISCLAIMER: All data given here is offered as a guide to the use of these materials and not as a guarantee of their performance. The user should evaluate their suitability for own purposes. Properties are typical and should not be used in preparing specifications. Statements are not to be construed as recommendations to infringe any patent.