



**AI TECHNOLOGY INC**  
 70 Washington Road  
 Princeton Jct., NJ 08550  
 (609) 799-9388 fax (609) 799-9308  
 E-Mail: ait@aitechnology.com  
 Internet: http://www.aitechnology.com

**ELECTROGREASE  
 ELGR8517**

**Non Curing  
 Electrically Conductive  
 Interfacial Compound**

**IDEAL FOR:**

- EMI Seal
- Reworkability

**DESCRIPTION:**

ELGR8517 is a non-curing, silver-plated copper filled, thermally conductive paste. The non-curing nature of this Electrogrease makes it ideal as an interfacial compound for thermal and electrical transfer for power devices.

ELGR8517 is a lower cost version of the standard ELGR8501.

**AVAILABILITY:**

ELGR8517 is available in syringes for automatic needle dispense applications or in jars.

**APPLICATION PROCEDURES:**

- ( 1 ) Dispense adhesive onto clean substrate.
- ( 2 ) Assemble parts with mechanical fasteners (clip, screw, etc.,)

**TYPICAL PROPERTIES\***

Electrical Resistivity	<1x10 <sup>-3</sup> ohm-cm
Tensile Elongation (%)	N/A
Current Carrying Capability	> 10 Amp/mm <sup>2</sup>
Cured Density (gm/cc)	4.0
Thermal Conductivity	45 Btu-in/hr-ft <sup>2</sup> -°F 6.4 W/m-°C
Linear Thermal Expansion Coeff. (ppm/°C)	Non-curing
Maximum Continuous Operation Temp. (°C)	150

\* Properties given are typical values and not intended for use in preparing specifications. The user is advised to evaluate the product in the manner the product is intended to be used in manufacturing and in the final product.

**CURE SCHEDULES:**

<u>Temperature</u>	<u>Time</u>
Non-Curing	

**SHELF LIFE:**

<u>Storage temperature</u>	<u>Shelf Life</u>
25°C	1 yr

The information contained herein is believed to be reliable. All recommendations or suggestions are made without guarantee inasmuch as conditions and methods of commercial use are beyond our control. Properties given are typical values and not intended for use in preparing specifications. The user is advised to evaluate the product in the manner the product is to be used in manufacturing and in the final product. Under no circumstance shall A.I. Technology be liable for accidental, consequential or other damages arising from the use or handling of this product.

While AI Technology owns all proprietary rights of material formulations of its products, specific usage in the manufacturing of certain products may involve patent rights of other companies.

