



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>

PRIMA-SOLDER
ME8155

Stress Free
100% Solid
Reworkable
Electrically Conductive
Epoxy Paste Adhesive

IDEAL FOR:

- Large Area Die**
- Automated Assembly**
- Reworkability**
- Mismatched CTE's**

DESCRIPTION

ME8155 is a silver filled paste, reworkable, solvent free, and electrically and thermally conductive. It exhibits outstanding flexibility for bonding materials having highly mismatched CTE's (i.e., alumina to aluminum, silicon to copper).

It can be readily reworked at 80-100°C.

AVAILABILITY:

ME8155 is available in syringes for automatic needle dispense applications or in jars.

APPLICATION PROCEDURES:

- (1) Thaw for 30 minutes before opening jar.
- (2) Dispense adhesive onto clean substrate.
- (3) Cure according to one of the recommended schedules.

TYPICAL PROPERTIES*

Electrical Resistivity (150 °C/ 60 minute)	<4x10 ⁻⁴ ohm-cm
Dielectric Strength (Volts/mil)	N/A
Glass Transition Temp.(°C)	-20
Current Carrying Capabilities	35 Amp/mm ²
Lap-Shear Strength	1000 psi 6.9 N/mm ²
Device Push-off Strength	1500 psi 10.3 N/mm ²
Hardness (Type)	80 (A)
Cured Density (gm/cc)	3.5
Thermal Conductivity	55 Btu-in/hr-ft ² -°F 7.9 W/m-°C
Linear Thermal Expansion Coeff. (ppm/°C)	120
Maximum Continuous Operation Temp. (°C)	150
Avg. Viscosity(0.5 rpm, 24°C) (Brookfield DV-1,spindle CP51)	354,000 cp

* 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>
150°C	60 min
175°C	30 min
200°C	10 min

SHELF LIFE:

<u>Storage temperature</u>	<u>Shelf Life</u>
-40°C	1 yr
0°C	3 mo

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