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**COOL-BOND**  
**ME7556-DA**

**Flexible**

**Moisture Resistant**

**Thermally Conductive**

**Electrically Insulating**

**Epoxy Paste Adhesive**

**IDEAL FOR:**

"No" Bleeding

Flexible, Stress-Free Bonding

Needle Dispensable and Screen-Printable

Die Attach

Component and Substate Attach

**DESCRIPTION:**

ME7556-DA is designed for screen-printing, and is a dispensable, rapid low temperature curing conductive adhesive. This single component, thixotropic epoxy paste is ambient storable and electrically insulating. It is thixotropic with minimal sag.

ME7556-DA has been designed to eliminate bleeding on most substrates. It is ambient storable for >7 days.

**TYPICAL PROPERTIES\***

Electrical Resistivity ( 150 °C/ 60 minute )	>1x10 <sup>14</sup> ohm-cm
Dielectric Strength (Volts/mil)	Not Applicable
Glass Transition Temp.(°C)	-55
Current Carrying Capabilities Lap-Shear Strength	
Device Push-off Strength	>1600 psi >11.0 N/mm <sup>2</sup>
Hardness (Type)	85 (A)
Cured Density (gm/cc)	2.0
Thermal Conductivity	>25 Btu-in/hr-ft <sup>2</sup> -°F >3.6 W/m-°C
Linear Thermal Expansion Coeff. (ppm/°C)	110
Maximum Continuous Operation Temp. (°C)	150
Avg. Viscosity(5 rpm, 24°C) (Brookfield DV-1,spindle CP51)	20,000 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.

**AVAILABILITY:**

ME7556-DA is available in syringes or in jars.

**CURE SCHEDULES:**

Temperature	Time
85°C	<60 min
125°C	<5 min
150°C	<1 min

**APPLICATION PROCEDURES:**

- ( 1 ) Thaw for 30 min. before opening jar or using syringes.
- ( 2 ) Dispense adhesive onto clean substrate with a suitable pattern to assure full die coverage.
- ( 3 ) Cure according to the recommended schedules.

**SHELF LIFE:**

Storage temperature	Shelf Life
-40°C	1 yr
0°C	>1 mo
25°C	>7 da

Pot life: 25°C for 7 days.

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