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COOL-BOND
ME7635-RC

High Strength
RAPID CURING
100% Solid
Insulating
Epoxy Paste Adhesive

IDEAL FOR:

- Rapid curing**
- Die-Attach**
- Automated Assembly**

DESCRIPTION:

ME7635-RC is a RAPID CURING insulating epoxy adhesive for snap-curing applications. This thixotropic paste is solvent free. (TI is approx. 4.0). It is designed for automated, inline bonding processing.

ME7635-RC is low in ionic impurities (<80 ppm total) and meets all requirements for MIL-Std 883D 5011.4 specification for dielectric adhesive. Fast curing can be achieved from 80°C and higher temperatures.

AVAILABILITY:

ME7635-RC is available in syringes for automatic needle dispense applications or in jars.

APPLICATION PROCEDURES:

- (1) Thaw for 30 minutes 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 one of the recommended schedules.

TYPICAL PROPERTIES*

Electrical Resistivity (150 °C/ 2 min)	>1x10 ¹⁴ ohm-cm
Dielectric Strength (Volts/mil)	>750
Glass Transition Temp.(°C)	80
Current Carrying Capabilities	
Lap-Shear Strength	>1500 psi >10.3 N/mm ²
Device Push-off Strength	>1600 psi >11.0 N/mm ²
Hardness (Type)	80 (D)
Cured Density (gm/cc)	2.2
Thermal Conductivity	12 Btu-in/hr-ft ² -°F 1.6 W/m-°C
Linear Thermal Expansion Coeff. (ppm/°C)	40
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.

CURE SCHEDULES:

<u>Temperature</u>	<u>Time</u>
80°C	60 min
125°C	15 min
150°C	8 min

SHELF LIFE:

<u>Storage temperature</u>	<u>Shelf Life</u>
-40°C	1 yr
25°C	3 mo

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