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PRIMA-BOND

ME7150

Flexible Epoxy Adhesive
Solvent Free Paste
Tough and Reworkable
Ambient Temperature Storable

IDEAL FOR:

Large Area Bonding
Mismatched CTE Bonding
Substrate Attach

DESCRIPTION:

ME7150 is a tough and yet flexible epoxy adhesive. It has very low ionic impurities and good electrical insulation. It has outstanding adhesion to most substrates having vastly different CTE's. When used as an adhesive, ME7150 is suitable for bonding large area substrates and components. The thixotropic paste (T.I. > 3) may be stored at ambient temperature for one month.

It can be readily reworked at 80-100ºC.

AVAILABILITY:

ME7150 is available in syringes for automatic needle dispense applications or in jars. Both viscosity and thixotropic index can be modified to your specific needs.

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 ºC/ 10 minute)**	**>1x10 ^{14} ohm-cm**
Dielectric Strength (Volts/mil)	**>750**
Glass Transition Temp.(ºC)	**-25 ±10%**
Current Carrying Capabilities	**N/A**
Lap-Shear Strength	**>1000 psi** **>6.9 N/mm²**
Device Push-off Strength	**>1800 psi** **>12.4 N/mm²**
Hardness (Type)	**80 (A) ±10%**
Cured Density (gm/cc)	**1.2 ±10%**
Thermal Conductivity	**1.2 Btu-in/hr-ft²-ºF ±10%** **0.17 W/m-ºC ±10%**
Linear Thermal Expansion Coeff. (ppm/ºC)	**180 ±15%**
Maximum Continuous Operation Temp. (ºC)	**<150**
Avg. Viscosity(0.5 rpm, 25ºC)	**50,000 cp ±20%**

* 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:

Temperature	Time	Presure
80ºC	8 hr	
100ºC	4 hr	
125ºC	2 hr	
150ºC	1 hr	

Pot life is 5 days @ 25ºC

SHELF LIFE:

Storage temperature	Shelf Life
-40ºC	1 yr

CAUTION: This product may cause skin irritation. Avoid skin contact. If contact does occur, wash immediately with soap and water. Please refer SDS for more details