

# 20-3006

## FLEXIBLE EPOXY POTTING & ENCAPSULATING COMPOUND

### DESCRIPTION:

20-3006 is a unique two component, electronic grade, flexible epoxy potting compound. This system was engineered to provide electrical insulation, chemical protection, and thermal shock resistance. The flexibility of 20-3006 provides low stress on surface mount and other delicate electronic components. This encapsulating and potting compound has an easy one to one mix ratio, and is D.O.T. non-hazardous.

### FEATURES:

- Flexibility provides low stress on components
- Chemical resistance
- Excellent electrical insulation
- Convenient one to one mix ratio
- D.O.T. Non-Hazardous

### TYPICAL SPECIFICATIONS:

Color	Black
Viscosity, 25°C, CPS	
Resin	19,000
Catalyst	25,000
Working time, 100 grams, 25°C	2 hours
Hardness, Shore A/Shore D	75/30
Specific Gravity, 25°C	
Resin	1.45
Catalyst	1.44
Mix ratio by weight or volume	1:1
Elongation, %	10
Lap Shear, psi	3,500
Glass transition temperature, °C	37
Dielectric Constant, 100Hz, 25°C	3.53
Dissipation factor, 100Hz, 25°C	0.005
Volume resistivity, 25°C, Ohm-cm	$3.33 \times 10^{15}$
Thermal conductivity, btu in/ft <sup>2</sup> , hr °F	3.0



## **INSTRUCTIONS FOR USE:**

Thoroughly mix components separately to insure uniform dispersion of fillers. By weight or volume, mix equal parts resin and catalyst. Pour and cure according to one of the following cure schedules:

- A. 25°C 24 hours
- B. 60°C 2-3 hours
- C. 100°C 10-20 minutes

## **AVAILABILITY:**

20-3006 is available in quarts, gallons, and 5 gallon pails. It is also available in the convenient TriggerBond dual barrel cartridge system.

## **IMPORTANT:**

The information in this brochure is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

06/03