

## 20-3660 HIGH TEMPERATURE EPOXY RESIN SYSTEM

### DESCRIPTION:

20-3660 is an electronic grade, 100% solids, epoxy resin system. In addition to its high temperature resistance, 20-3660 also provides outstanding physical properties at elevated temperatures.

### FEATURES:

- Excellent electrical insulation properties
- High heat resistance
- Extended working time

### TYPICAL SPECIFICATIONS:

Color	
Resin	Black
Catalyst #4	Brown
Mix Ratio	
By weight	100:2
By volume	100:3
Specific Gravity, 25°C	
Resin	1.44
Mixed	1.43
Viscosity, 25°C, cps, Resin	50,000
Pot Life, 100 grams, 25°C	24 Hrs.
Hardness, Shore D	88
Flexural Strength, psi	14,000
Thermal Conductivity, W/m- °K	0.55
Water Absorption, % (24 hrs.)	0.01
Coefficient of thermal expansion, °C	47 x 10 <sup>-6</sup>
Operating Temp. Range, °C	-20 to +230
Dielectric Strength, Volts/Mil	420
Dielectric Constant @ 1 MHz, 25°C	3.5
Dissipation Factor @ 1 MHz, 25°C	0.008
Volume Resistivity @ 25°C	> 10 <sup>16</sup>



### **INSTRUCTIONS FOR USE:**

Some separation of components is common during shipping or storage. Therefore, it is recommended that each component be thoroughly mixed prior to use.

By weight, thoroughly mix 2 parts Catalyst #4 with 100 parts 20-3660 Epoxy Resin. By volume, the ratio is 3 parts Catalyst #4 to 100 parts 20-3662 Epoxy Resin.

Pour and cure according to one of the following schedules:

80 °C \ 175 °F	2 Hours
100 °C \ 212 °F	30 Minutes
125 °C \ 255 °F	15 Minutes

### **STORAGE AND HANDLING:**

Store in a dry, cool area in original unopened containers.

### **SAFETY:**

As with all chemicals, review the Safety Data Sheet before using

### **IMPORTANT:**

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