

# 20-3068

## Epoxy Adhesive and Potting Compound

### DESCRIPTION:

20-3068 is a room temperature curing, two component, epoxy potting compound and adhesive. This product provides good water resistance, adhesion, and toughness.

The 20-3068 Epoxy System meets the Food and Drug Administration (FDA) regulations permitting use in “indirect” food contact applications. The raw materials used in the products comply with the FDA regulations of Title 21 Code of Federal Regulations under Sections 175.105 and 175.300.

### FEATURES:

- Excellent adhesion
- Excellent chemical and corrosion resistance
- Excellent electrical insulation

### TYPICAL SPECIFICATIONS:

Viscosity, 25°C, cps	
Resin 20-3068RCL	10,000
Catalyst Cat.190CL	50
Mixed	3,500
Color	Clear/Slightly Yellow
Hardness, Shore D	88
Mix Ratio, Resin:Catalyst	
By Weight	100:15
Operating Temperature Range, °C	
Specific Gravity, 25 °C	1.0
Pot Life, 100 grams, 25 °C	40 Minutes
Tensile Strength, psi	10,600
Tensile Elongation, %	6.0
Flexural Strength, psi	17,000
Compressive Strength, psi	15,600
Dissipation Factor, 1 MHz	0.034
Dielectric Constant, 1 MHz	3.47
Volume Resistivity, ohm-cm	
25 °C	>10 <sup>16</sup>
60 °C	2.0 x 10 <sup>16</sup>
100 °C	1.3 x 10 <sup>13</sup>
Glass Transition Temperature, Tg, °C	80
Coefficient of Thermal Expansion, °C	62 x 10 <sup>6</sup>

**INSTRUCTIONS FOR USE:**

1. By weight, thoroughly mix 100 parts of 20-3067RBK resin and 15 parts of Cat.190CL catalyst.
2. Pour and cure according to one of the following recommended schedules:
  - a) 25 °C for 24 Hours + 100 °C for 2 hours
  - b) 50 °C for 3-5 Hours

**PREPARATION OF SURFACES:**

Surfaces must be clean and grease free. Adhesion can be substantially increased by abrading the surfaces to be bonded with emery cloth, sandpaper, carbide grinding tools, or sand blasting. A roughened, porous surface will produce the best results. Any oxidized metal films should be removed just prior to application of the epoxy adhesive mixture.

**FDA COMPLIANCE:**

Epoxies, Etc. does not warranty that these products would be suitable under applicable FDA regulations for any use.

The responsibility for determining the overall compliance with applicable FDA food additive/contact regulations is with the company manufacturing the final finished product and/or the person placing that product in food contact.

**STORAGE, HANDLING, & SAFETY:**

The shelf life is 12 months in the original sealed container when stored between 10 - 25°C. Store away from excessive heat and humidity.

Please read the Safety Data Sheet before using this or any other chemical.

**AVAILABILITY:**

This product is available in quarts, gallons, and 5-gallon pails.

**IMPORTANT:**

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