

# 20-3064 NC FLEXIBLE EPOXY POTTING COMPOUND & ADHESIVE

## DESCRIPTION:

20-3064 NC is a filled Epoxy Resin System engineered to give the end user the ability to control the hardness of the cured casting. By varying the mix ratio, the hardness can be varied from 60 Shore A to 85 Shore D. 20-3064 NC provides excellent thermal shock resistance and outstanding adhesion.

20-3064 NC LV is a low viscosity version of 20-3064 NC.

## TYPICAL SPECIFICATIONS:

Viscosity, 25°C, cps

20-3064RNC Epoxy 29,500

Mixed with Catalyst #6 (1:1 Ratio) 13,500

20-3064RNCLV Epoxy 17,000

Mixed with Catalyst #6 (1:1 Ratio) 9,800

Color

Black

Hardness, Shore

60 Shore A to 80 Shore D

Operating Temperature Range, °C

-40 to +100

Pot Life, 100 grams, 25°C

2 hours

Specific gravity, 25°C

1.4

Tensile strength, psi

5,500

Thermal conductivity, W/m-K

0.43

Coefficient of Thermal Expansion, 1/°C

70x10<sup>-6</sup>

Dielectric strength, V/mil

400

Dielectric constant, 60 Hz

3.3

Dissipation factor, 60 Hz

0.03

## Mix Ratio:

20-3064 NC with Catalyst #6 offers an adjustable mix ratio to obtain a rigid, semi-rigid, or flexible casting.

By Weight: (Resin:Catalyst)

1. Rigid Formulation 100:50

2. Semi-Rigid Formulation 100:100

3. Flexible Formulation 100:150

NOTE: For most applications, formulation #2 is used.

### INSTRUCTIONS FOR USE:

1. Some separation of components is common during shipping or storage. Therefore, it is recommended that 20-3064 NC be thoroughly mixed prior to use.
2. By weight, thoroughly mix 20-3064 NC and Catalyst #6 accordingly to one of the ratio schedules.
3. Pour and cure according to one of the following schedules:
  - a) 25°C      16-24 Hours
  - b) 65°C      2 Hours
  - c) 100°C     20 Minutes

### STORAGE, HANDLING & SAFETY:

Store both components at 25 °C in original containers. The expected shelf life is 12 months in original containers.

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

### AVAILABILITY:

20-3064NC is available in quart and gallon containers.

### IMPORTANT:

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