

# 20-3064

## FLEXIBLE EPOXY

### POTTING COMPOUND & ADHESIVE

#### DESCRIPTION:

20-3064 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 80 Shore D. 20-3064 provides excellent thermal shock resistance and outstanding adhesion. 20-3064 FR is available for Flame Retardancy applications.

20-3064 LV is a low viscosity version of 20-3064. For a very low mixed viscosity Catalyst #6 can be substituted for Catalyst #5.

#### TYPICAL SPECIFICATIONS:

Mixed viscosity, 25°C, with Catalyst #5	
20-3064	40,000
20-3064 LV	7,000
Specific gravity, 25°C	1.4
Hardness, Shore	60 Shore A to 80 Shore D
Tensile strength, psi	5,500
Operating temperature, °C	-70 to +100
Thermal conductivity, BTU/hr./ft <sup>2</sup> /°F/in	3.0
Thermal expansion coefficient, per °C	70x10 <sup>-6</sup>
Dielectric strength, volts/mil	400
Dielectric constant, @ 60 Hz	3.3
Dissipation factor, @ 60 Hz	.03

20-3064 with Catalyst #5 or #6 offers adjustable mix ratio in order to obtain a rigid, semi-rigid, or flexible casting.

#### RESIN

#### CATALYST

1. Rigid Formulation	100 Parts	50 Parts
2. Semi-Rigid Formulation	100 Parts	100 Parts
3. Flexible Formulation	100 Parts	150 Parts

NOTE: For the majority of 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 be thoroughly mixed prior to use.
2. By weight, thoroughly mix 20-3064 and Catalyst #5 accordingly to one of the ratio schedules.
3. Pour and cure according to one of the following schedules:

25°C	16-24 Hours
65°C	2 Hours
100°C	20 Minutes

## 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.

03/96