



## Epoxy, Urethane & Silicone Formulations

# 20-3001 NC

## EPOXY POTTING AND ENCAPSULATING RESIN

### DESCRIPTION

20-3001 NC is a low viscosity, unfilled epoxy potting and encapsulating system which forms a bubble free glass like finish when cured.

This is a 100% solids resin system that does not contain any solvents. Its' convenient 1:1 mix ratio and lack of fillers make it an ideal material for meter mix and dispense equipment. 20-3001 NC has been formulated for ease in handling. Its low viscosity aids in filling voids and air pockets. In addition, there is no filler settling with this system.

The engineering staff at Epoxies, Etc... is at your service to answer questions about your particular requirements. Sample kits are available from stock.

20-3001 NC is the non-crystallizing version of the original 20-3001 product.

### TYPICAL SPECIFICATIONS

Color	Black or Clear
Mix ratio, by volume	1:1
Mix ratio, by weight	100:83
Mix viscosity, @ 25° C cps	1,000
Pot life, 100 gram mass, @ 25° C	20 minutes
Specific gravity, @ 25° C	1.12
Hardness, Shore D	65
Tensile strength, psi	5,700
Thermal conductivity, BTU in/ft <sup>2</sup> /hr/f	3.0
Thermal expansion coefficient per °C	50x10 <sup>-6</sup>
Operating temperature °C	-50 to +150
Dielectric strength, volts/mil	558
Dielectric constant, 60 HZ	4.7
Dissipation factor, 60 HZ	.034
Volume resistivity, ohm-cm	5.0x10 <sup>15</sup>

\*over

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## **AVAILABILITY**

20-3001 NC is available in 50ml, 75ml, 200ml and 400 ml dual barrel syringes. It is also available in quarts, gallons and 5 gallon pails.

## **INSTRUCTIONS FOR USE**

1. By volume, thoroughly mix equal parts resin and catalyst.
2. By weight, thoroughly mix 100 parts 20-3001 NC resin to 83 parts catalyst.
3. Pour and cure 12-16 hours at room temperature.

## **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.

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