

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.

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

TYPICAL SPECIFICATIONS

Viscosity, cps, 25 ° C

Resin 1,400

Catalyst 1,000

Mixed 1,200

Available Colors

Black, Clear

Hardness, Shore D

65

Mix Ratio

By Volume 1:1

By Weight 100:83

Operating Temp. Range, °C

-50 to +150

Pot life, 100 gram mass, 25 ° C

20 minutes

Specific gravity, 25° C

Resin 1.14

Catalyst 0.96

Mixed 1.12

Tensile strength, psi

5,700

Dielectric Strength, V/mil

558

Dielectric Constant, 60 Hz

4.7

Dissipation Factor, 60 Hz

0.034

Volume Resistivity, ohm-cm

5.0×10^{15}

Thermal Conductivity, W/m·°K

0.43

Coefficient of Thermal Expansion, ppm/°C

50

Curing masses greater than 100 grams is not recommended due to the possibility of an exothermic reaction.

INSTRUCTIONS FOR USE

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

STORAGE, HANDLING, & SAFETY:

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

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

AVAILABILITY:

This product is available in the convenient TriggerBond® dual barrel cartridges (50ml, 200ml & 400ml), and quarts, gallons, and 5-gallon pails.

IMPORTANT:

EPOXIES, ETC. MAKES NO EXPRESS OR IMPLIED WARRANTIES OR MERCHANTABILITY, FITNESS OR OTHERWISE WITH RESPECT TO ITS PRODUCTS. The information in this brochure is based on data obtained by our own research and is considered reliable. 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. The properties given are typical values and are not intended for use in preparing specifications. 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.

06/24