



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
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Catalyst	1,000
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Mixed	1,200
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Available Colors

Black, Clear

Hardness, Shore D

65

Mix Ratio

By Volume	1:1
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By Weight	100:83
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Operating Temp. Range, ° C

-50 to +150

Pot life, 100 gram mass, 25 ° C

20 minutes

Specific gravity, 25° C

Resin	1.14
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Catalyst	0.96
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Mixed	1.12
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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

5.0x10¹⁵

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:

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