EPOXIES
INNOVATIVE BONDING SOLUTIONS ETC.

TECHNICAL BULLETIN

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.

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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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