

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

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, W/m- °K	0.43
Thermal expansion coefficient per °C	50 x 10 ⁻⁶
Operating temperature °C	-50 to +150
Dielectric strength, V/mil	558
Dielectric constant, 60 Hz	4.7
Dissipation factor, 60 Hz	.034
Volume resistivity, ohm-cm	5.0x10 ¹⁵

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

By volume, thoroughly mix equal parts resin and catalyst.

By weight, thoroughly mix 100 parts 20-3001 NC resin to 83 parts catalyst.

Pour and cure 12-16 hours at room temperature.

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



IMPORTANT:

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