

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

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| 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.

IMPORTANT:

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