

# 10-3050

## NON-SAG, BUTTER-ON EPOXY COATING

### DESCRIPTION:

10-3050 is a thixotropic, Non-Sag, gel epoxy designed to protect motor windings from abrasives, chemicals, vibration, oils, jet fuels, etc... 10-3050 self levels to a smooth void free coating once applied with a spatula or brush.

10-3050 stays exactly where applied and will not run out of coil windings or stator slots. This unique adhesive forms a tenacious bond to most substrates.

10-3050 is color coded to facilitate proper mixing of Resin and Catalyst. 10-3050 Resin is White and Catalyst is Black.

### TYPICAL SPECIFICATIONS:

Mixed viscosity, 25°C, cps	Paste
Pot life, 25°C	40 Minutes
Color mixed	Grey
Specific gravity, 25°C/25°C	1.4
Hardness, shore D	75D
Shrinkage linear, in/in	.002
Tensile strength, psi	8,000
Compressive strength, psi	20,500
Water absorption, 240 hrs, 96% rh, % weight gain	0.8
Operating temperature range, °C	-60 to +160
Thermal conductivity, Btu in/ft <sup>2</sup> hr °F	4.1
Thermal expansion coefficient, per °C	49 x 10 <sup>-6</sup>
Dielectric strength, volts/mil	485
Dielectric constant, 60 Hz	0.01
Dissipation factor, 60 Hz	.015
Volume resistivity, ohm-cm	4.0 x 10 <sup>14</sup>



## INSTRUCTIONS FOR USE:

1. Mix equal parts 10-3050R White Resin and 10-3050C Black Catalyst by weight or volume. Stir thoroughly until uniform grey color is achieved.
2. Butter-on mixed 10-3050 by means of spatula or brush forming an even coating.
3. Cure according to one of the following cure schedules:

- |         |           |
|---------|-----------|
| a) 25°C | 24 Hours  |
| b) 65°C | 1-2 Hours |

## IMPORTANT:

The information in this brochure is based on data obtained by our research and is considered accurate. 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. 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.

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