

20-3066 HIGH TEMPERATURE RESISTANT EPOXY SYSTEM

DESCRIPTION:

20-3066 is a 100% solids epoxy system which exhibits outstanding high temperature resistance. In addition to its high temperature resistance, 20-3066 also has excellent chemical, solvent, and moisture resistance.

20-3066 has found wide acceptance as a potting and encapsulating compound for applications such as transformers, coils, chokes, solenoids, resistors, sensors, capacitors, etc... This system is an ideal candidate for any application where operating temperatures may exceed 225°C.

FEATURES:

- High heat resistance
- Extended pot life
- Excellent chemical resistance
- Outstanding electrical insulation

TYPICAL SPECIFICATIONS:

Color, Resin	Clear
Color, Catalyst 185	Amber
Viscosity Mixed, 25 °C cps	
Resin	10,000
Catalyst 185	200
Mixed	1,500
Specific Gravity, 25 °C	
Resin	1.10
Catalyst 185	1.20
Hardness, Shore D	87
Pot Life, 100 gram mass, 25 °C	24 Hrs.
Flexural Strength, psi	17,500
Compressive Strength, psi	17,300
Tensile Strength, psi	11,300
Operating Temp. Range, °C	-20 to +250
Dielectric Strength, V/Mil	510
Dielectric Constant, 60 Hz	3.26
Volume Resistivity, ohm-cm, @ 25 °C	$> 10^{14}$
Dissipation Factor, 60 Hz	.008
Water Absorption, % (24 hrs.)	0.04
Mix Ratio, by weight	100:82

**INSTRUCTIONS FOR USE:**

Some separation of components is common during shipping or storage. Therefore, it is recommended that each component be thoroughly mixed prior to use.

By weight, thoroughly mix 82 parts Cat.185 to 100 parts 20-3066 resin.

Pour and cure for 3 hours at 100°C plus 3 hours at 175°C. For optimum performance, the initial cure should be followed with a post cure of 4-12 hours at the highest expected use temperature.

STORAGE AND HANDLING:

Store in a dry, cool area in original unopened containers.

SAFETY:

As with all chemicals, review the Material Safety Data Sheet before using.

IMPORTANT:

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