

20-3660

HIGH TEMPERATURE EPOXY RESIN SYSTEM

DESCRIPTION:

20-3660 is an electronic grade, 100% solids, epoxy resin system. In addition to its high temperature resistance, 20-3660 also provides outstanding physical properties at elevated temperatures.

FEATURES:

- Excellent electrical insulation properties
- High heat resistance
- Extended working time

TYPICAL SPECIFICATIONS:

Viscosity, 25°C, cps	
Resin	50,000
Catalyst	5,000
Mix Ratio, (Resin:Catalyst)	
By Weight	100:2
By Volume	100:3
Color	
Resin	Black
CAT.4	Brown
Mixed	Black
Hardness, Shore D	88
Operating Temperature Range, °C	-20 to +230
Pot Life, 100 grams, 25°C	24 hours
Specific Gravity, 25°C	
Resin	1.44
Mixed	1.43
Flexural Strength, psi	14,000
Water Absorption, % (24 hrs.)	0.01
Thermal Conductivity, W/m-K	0.55
Coefficient of Thermal Expansion, °C	47 x 10 ⁻⁶
Dielectric Strength, V/Mil	420
Dielectric Constant, 1 MHz, 25°C	3.5
Dissipation Factor, 1 MHz, 25°C	0.008
Volume Resistivity, 25°C	> 10 ¹⁶

INSTRUCTIONS FOR USE:

1. Some separation of components is common during shipping or storage. Therefore, it is recommended that each component be thoroughly mixed prior to use.
2. By weight, thoroughly mix 2 parts CAT.4 with 100 parts 20-3660 Epoxy Resin. By volume, the ratio is 3 parts CAT.4 to 100 parts 20-3662 Epoxy Resin.
3. Pour and cure according to one of the following schedules:

a) 80°C (175 °F)	2 hours
b) 100°C (212°F)	30 minutes
c) 125°C (255°F)	15 minutes

STORAGE, HANDLING & SAFETY:

Store both components at 25 °C in original containers. The expected shelf life is 12 months in original containers.

Please read the Safety Data Sheet before using this or any other chemical.

AVAILABILITY:

20-3660 is available in 1 gallon containers.

IMPORTANT:

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