

20-3650

ONE TO ONE RATIO

EPOXY POTTING AND ENCAPSULATING COMPOUND

DESCRIPTION:

20-3650 is an easy to use, one to one ratio, electronic grade epoxy potting, casting, and encapsulating system. This system exhibits excellent physical, thermal, and electrical insulation properties. 20-3650 is D.O.T. non-hazardous, easy to mix, and will cure at room temperature or with mild heat.

20-3650 is low in viscosity and ideal for meter mix and dispense equipment.

TYPICAL SPECIFICATIONS:

Color	
Resin	Black
Catalyst	White
Mixed	Dark Grey
Viscosity, 25°C cps	
Resin	25,000
Catalyst	12,000
Specific Gravity, 25°C	
Resin	1.5
Catalyst	1.5
Mix Ratio, by weight & volume	1:1
Pot Life, 100 grams, 25°C	60 Minutes
Hardness, Shore D	75
Tensile Strength, psi	11,000
Compressive Strength, psi	15,500
Linear Shrinkage, in/in	0.004
Thermal Conductivity, W/m- °K	0.61
Thermal Expansion Coefficient, °C	27×10^{-6}
Operating Temp. Range, °C	-60 to +150
Dielectric Strength, V/mil	460
Dielectric Constant at 60 Hz	4.3
Dissipation Factor, 60 Hz	0.02
Volume Resistivity, ohm-cm	2.1×10^{15}



INSTRUCTIONS FOR USE:

Some settling of fillers is common during transportation and storage. Remix individual components before using.

By weight or volume mix equal parts 20-3650 Resin and Catalyst. Mix thoroughly being careful not to introduce excessive air into the mixture.

Pour and allow material to cure according to one of the following schedules:

24 hours at 25°C/77°F

1 hour at 65°C/150°F

15 minutes at 100°C/212°F

IMPORTANT:

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