



CC3-805

Self Leveling, End Seal Epoxy

CC3-805 was designed for end sealing connectors. It displays a high degree of thixotropy to prevent wicking and at the same time is completely self leveling. It offers excellent adhesion to a wide variety of materials, ie., plastic, metal, glass and ceramic. CC3-805 has a stable operating range of -100' F to +350' F. Because it is a highly mineral filled epoxy, it exhibits low shrinkage and provides a low coefficient of thermal expansion. CC3-805 is a tough, thixotropic resin capable of withstanding high thermal and mechanical shock. Suggested applications would be sealing transformers, coils and amplifiers. CC3-805 meets MIL I-16923, Types C and D.

ELECTRICAL AND PHYSICAL PROPERTIES:

Specific Gravity @ 25' C	1.5 to 1.6
Viscosity @ 25' C, cps	Thixotropic
Thermal Conductivity: BTU/ft ² /hr/'F/in	2.3
Tensile Strength @ 25' C, psi	7,800
Compressive Strength @ 25' C, psi	28,100
Izod Impact: ft lbs/in of notch	0.37
Coefficient of Thermal Expansion: in/in/'C x 10 ⁻⁶	35
Heat Distortion: 'C	65
Water Absorption: %, 7 days @ 25' C	0.1
Volume Resistivity @ 25' C, ohm-cm	10 ¹⁶
Dielectric Constant @ 25' C, 100 KC	4.4
Dissipation Factor @ 25' C, 100 KC	0.02
Dielectric Strength, volts/mil	450
Linear Shrinkage: in/in	0.003
Service Temperature, 'F continuous	-100 to +350

MIXING INSTRUCTIONS:

Mix CC3-805 thoroughly in it's shipping container to insure a uniform consistency. Weigh out the desired amount of resin in a clean container. Add 10 parts of H-805 Hardener per 100 parts of CC3-805. (ie. 10 grams of H-805 Hardener and 100 grams of CC3-805 for a total mix of 110 grams) Mix thoroughly. Use in a well ventilated area and avoid contact with eyes and skin.

CURE SCHEDULE:

CC3-805 will cure overnight at room temperature or 2 hours at 65' C.