



TECHNICAL DATA SHEET

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Dolphon[®] CC-1095 CLEAR EPOXY RESIN KIT

PRODUCT DESCRIPTION

Dolphon[®] CC-1095 is a semi-rigid two part, low temperature curing epoxy resin kit. It is specifically formulated for impregnating and sealing electric motor windings using the Flow-On method. It is also suitable for impregnating, casting, and potting electrical and electronic devices requiring low temperature or fast curing cycles.

FEATURES & BENEFITS

- Rapid, low temperature cure
- Pre-measured packaging
- Excellent electrical properties
- Low viscosity for good penetration
- Moisture and chemical resistant
- Low toxicity

TYPICAL PROPERTIES

Physical

Tensile Strength, ASTM D 638, psi	7,500
Thermal Conductivity, cal./sec./cm ² /°C/cm	4.9 x 10 ⁻⁴
Water Absorption, ASTM D 570, 24 hours @ 25°C, %	0.10
Hardness, Shore D, ASTM D 2240	70
Chemical Resistance (most solvents, acids and bases)	Excellent
Dielectric Strength, ASTM D 149, volts/mil 1/8" sample	450
Surface Resistivity, ASTM D 257, ohms	5.7 x 10 ¹²
Volume Resistivity, ASTM D 257 ohm-cm	1.0 x 10 ¹⁶
Pot Life (mixed) @ 70°F, minutes	20

MIXING

Mix 100 parts of resin to 20 parts of reactor by weight. These ratios are already pre-measured. Avoid stirring excessive air into the mixture. Scrape the sides of the container during mixing to assure thorough blending.

Note: The 50 pound kit is supplied with a graduate, to allow for easier mixing of partial containers.

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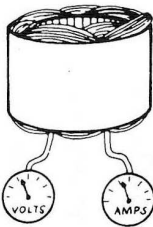
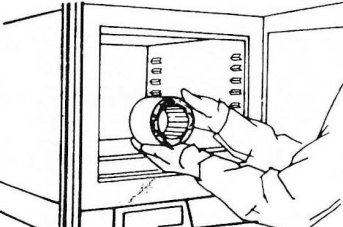
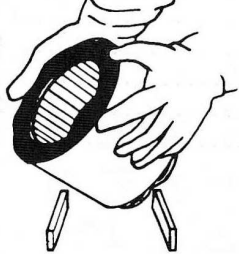
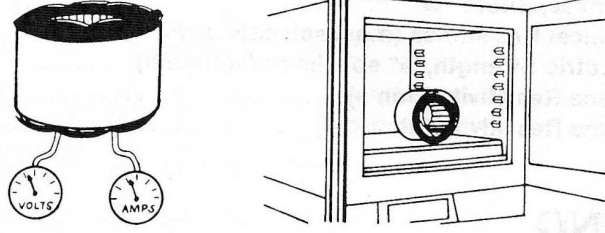
POT LIFE

The pot life of the mixed compound is 20 minutes at 70° F., for a one pound mass.

PACKAGING

Dolphon® CC-1095 is conveniently packaged in 1 pound, 2 pound, 8 pound, and 50 pound kits.

POUR ON APPLICATION

 <p>1. Preheat stator to 125 - 150° F. by inducing low voltage into the windings or place in 135° F. oven until stator reaches 135° F.</p>	 <p>2. Pour mixed DOLPHON CC-1095 slowly over the hot windings until resin flows through the slots to opposite end.</p>
 <p>3. Reverse stator and flow on resin until end turns are covered.</p>	 <p>4. Continue energizing winding at 135° F. for 15 minutes or place stator in 135° F oven for 20 minutes.</p>

STORAGE AND SHELF LIFE

Shelf life is 12 months from date of shipment from our plant, when stored in closed containers at 70°F/21°C or below.

1. Store in cool, dry place at 70°F/21°C or below.
2. Protect from direct sunlight and sources of heat
3. Keep away from heat, sparks and open flame.

SAFETY AND ENVIRONMENT

Avoid contact with skin and eyes. See Material Safety Data Sheet

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