



TECHNICAL PRODUCT BULLETIN

GENERAL DESCRIPTION

A tough enamel-like finish is obtained from only one coat of E60-101 resin system. A second coat may be required to achieve optimum properties.

E60-101 is fire retardant and passes most critical tests when properly cured.

The long working pot life of E60-101 (2-3 hours, depending on the mass) means minimal mixing and down time.

A high volume of units can be produced with minimal waste.

E60-101 has excellent resistance to moisture, chemical and solvents, which makes it a great choice for applications requiring environmental protection.

Vibration of the parts or the dipping tray, while the parts are being withdrawn from the dip bath, allows for a wide range of control over the coating thickness.

Applications include dielectric fire-retardant protective coatings for capacitors, resistors, coils, PCB's, chokes, networks, etc.

APPLICATION

1. Mix 20 parts catalyst to 100 parts resins, 2 2 by weight.
2. Deairation is recommended for best pinhole free coatings.
3. Cure overnight at room temperature or 1 hour at 80°C.

PACKAGING

E60-101 is available in pint, quart, gallon, 5 gallon and 55 gallon containers.

SPECIFICATIONS

HANDLING CHARACTERISTICS

| | |
|--|------------------------|
| Catalyst Number: | Catalyst E60-101 |
| Mix Ratio, Catalyst to Resin, by Weight: | 1:5 |
| Workable Pot Life, 100 g @ 25°C: | 2 hrs. |
| Mixed Viscosity @ 25°C cps: | thixotropic, none sag |
| Recommended Cure: | overnight @ room temp. |
| Color: | wide variety |

PHYSICAL CHARACTERISTICS

| | |
|--------------------------------|--------|
| Shrinkage Linear, in / in: | 0.005 |
| Hardness, Shore D: | 78 |
| Specific Gravity, 25°C / 25°C: | 1.30 |
| Tensile Strength, psi: | 9,200 |
| Compressive Strength, psi: | 21,000 |

THERMAL CHARACTERISTICS

| | |
|--|-------------|
| Thermal Conductivity, btu / hr / ft ² / °F / in: | 3.3 |
| Thermal Expansion Coefficient, (cm / cm / °C · 10 ⁻⁵): | 3.6 |
| Heat Distortion, °C: | 90 |
| Operating Temperature Range, °C: | -50 to +160 |

ELECTRICAL CHARACTERISTICS

| | |
|-----------------------------------|------------------------|
| Dielectric Strength, volts / mil: | 490 |
| Dielectric Constant, 60 Hz: | 4.0 |
| Dissipation Factor, 60 Hz: | 0.10 |
| Volume Resistivity, ohm · cm: | 3.0 x 10 ¹⁵ |