

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Vibration of the parts or the dipping tray, while the parts are being withdrawn from the dip bath, allows for a wide range of control over the coating thickness.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 resin, by weight.
2. Deairation is recommended for best pinhole free coatings.
3. Cure overnight at room temperature or 1 hour at 80°C.

SPECIFICATIONSHANDLING 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, non 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 / ft² / °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 10¹⁵