

P.O. Box 8340, Warwick, R.I. 02888 U.S.A. Phone 401 941-3000 Fax: 401 941-0150

EPOXY RESIN RBC #3360

RBC #3360 System is a filled, medium viscosity, general-purpose potting and casting resin which offers low shrinkage, good air release, and excellent physical and electrical properties. It can be cured at room temperature or at elevated temperatures depending upon the hardener selected and the heat resistance of the part.

HANDLING PROPERTIES:

Mixed Viscosity @ 25°C, cps	30,000-40,000
Shelf Life, (closed Container @ 25°C)	12 Months

PHYSICAL PROPERTIES (CURED):

Color	Black/ any color
Specific Gravity @ 25°C	1.75
Hardness, Shore D	82
Linear Shrinkage, in./in.	0.003
Moisture Absorption 10 Days @ 25°C, %	0.55
Izod Impact Strength, ft. lbs./in. of notch	0.38
Tensile Strength @ 25°C, psi	7,100
Compressive Strength @ 25°C, psi	16,200

THERMAL PROPERTIES (CURED):

Thermal Conductivity, cal/sec/cm ² /°C/cm X 10 ⁻⁴	8.8
Thermal Stability, 1000 Hrs. @ 175°C, % Wt. Loss	1.2
Coefficient of Thermal Expansion, in./in./°C X 10 ⁻⁶	38
Heat Distortion Temperature, °C	110
Operating Temperature Range, °C	-65 to 135

ELECTRICAL PROPERTIES (CURED):

Volume Resistivity @ 25°C, ohm-cm	4 x 10 ¹⁶
Dielectric Strength, volts/mil	450
Dielectric Constant @ 25°C, 100 KC	4.00
Dissipation Factor @ 25°C, 100 KC	0.024

MIXING INSTRUCTIONS: Weigh the desired amount of #3360 Resin into a clean container and combine with recommended amount of **A-150** Hardener. Mix thoroughly. Entrapped air may be removed by vacuum.

RECOMMENDED CURE SCHEDULE:

Mix Ratio By Weight:	100 parts resin to 7 parts hardener
Pot Life @ 25°C	45 minutes
Cure Time @ 25°C	24 hours
@ 65°C	3- 4 hours
@ 100 C	1-2 hours