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♦ TECHNICAL BULLETIN ♦ TECHNICAL BULLETIN ♦ TECHNICAL BULLETIN ♦

Epoxy Resin RBC #3360

RBC-3360 epoxy resin is a filled, medium viscosity, general-purpose epoxy potting compound and epoxy casting resin which offers low shrinkage, good air release, and excellent physical and electrical properties. RBC-3360 can be cured at room temperature or at elevated temperature depending upon user preference and equipment.

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	4x10 ¹⁶
Dielectric Strength, volts/mil	455
Dielectric Constant @ 25°C, 100 KC	4.00
Dissipation Factor @ 25°C, 100 KC	0.024

MIX RATIO BY WEIGHT: 100 parts resin to 7 parts hardener

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

RECOMMENDED CURE SCHEDULE:

Pot Life @ 25°C	45 Minutes
Cure Time @ 25°C	24 Hours
@ 65°C	3-4 Hours
@ 100°C	1-2 Hours