



80 Cypress Street, Warwick, RI 02888 ♦ U.S.A.  
401-941-3000 ♦ 800-272-7752 ♦ Fax: 1-401-941-0150  
info@rbcepoxy.com ♦ www.rbcepoxy.com

♦ TECHNICAL BULLETIN ♦ TECHNICAL BULLETIN ♦ TECHNICAL BULLETIN ♦

## EPOXY RESIN RBC #6200

RBC #6200 is a silver filled, electrically conductive, one-part epoxy resin. It is designed for applications requiring conductive electrical connections when it is convenient to use a required for curing. It is a 100% solids system offering excellent adhesion to glass, metal, and ceramic substrates.

### HANDLING PROPERTIES:

Viscosity @ 25°C, cps	Thixotropic
Pot Life @ 25°C	6 Months
Pot Life @ 100°C	8 Hours
Shelf Life, (closed Container @ 25°C)	6 Months

### PHYSICAL PROPERTIES (CURED):

Color	Silver
Specific Gravity @ 25°C	2.82
Hardness, Shore D	85
Linear Shrinkage, in./in.	0.005
Moisture Absorption 10 Days @ 25°C, %	0.20
Izod Impact Strength, ft. lbs./in. of notch	0.30
Tensile Strength @ 25°C, psi	9,000
Compressive Strength @ 25°C, psi	14,000

### THERMAL PROPERTIES (CURED):

Thermal Conductivity, cal/sec/cm <sup>2</sup> /°C/cm X 10 <sup>-4</sup>	48.0
Thermal Stability, 1000 Hrs. @ 175°C, % Wt. Loss	0.30
Coefficient of Thermal Expansion, in./in./°C X 10 <sup>-6</sup>	16
Heat Distortion Temperature, °C	155
Operating Temperature Range, °C	-55 to 180

### ELECTRICAL PROPERTIES (CURED):

Volume Resistivity @ 25°C, ohm-cm	1x10 <sup>-4</sup>
-----------------------------------	--------------------

**MIXING INSTRUCTIONS:** Stir #6200 Resin in its shipping container prior to each use to insure uniformity.

### RECOMMENDED CURE SCHEDULE:

Cure @ 121°C for 30 min.