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TECHNICAL DATA SHEET 931

Page 1 of 1

Versatile Use 1:1 Room Temperature Curable Epoxy

DESCRIPTION

PC200 A&B

PC 200 A&B is a 2-component epoxy designed for bonding, encapsulating and sealing applications. The product is easy to use and cures at ambient temperature. PC 200 A&B has excellent adhesion to many substrates making it useful for a wide range of applications.

FEATURES

- Convenient 1:1 Mix Ratio
- Good Flame Resistance Properties
- Good Insulating Properties
- Versatile Application Uses

TYPICAL UNCURED PROPERTIES

| | Part A | Part B | Mixture |
|------------------|-------------|---------------|---------|
| Туре | Epoxy Resin | Amine Mixture | |
| Color | Black | Tan | Black |
| Viscosity, cps | 4,000 | 5,000 | 4,500 |
| Specific Gravity | 1.35 | 1.35 | 1.35 |

PROCESS PARAMETERS

This product is best dispensed through a static top mixer. **Mix Ratio**

| | Part A | Part B |
|-----------|--------|--------|
| By Weight | 100 | 100 |
| By Volume | 100 | 100 |

The product is designed for use at a 1:1 mix ratio for the best balance of properties. To obtain specific properties the mix ratio can be altered. To achieve a harder, more heat resistant product, a mix ratio of up to 1.5:1 may be used. For a softer, more flexible cured product a mix ratio of up to 1:1. 4 can be used.

CURED PARAMETERS @ 25°C

Pot Life 40 minutes Set Time 2 hours Cure time 24 hours

CURED PROPERTIES

(Typical properties values approximate)

| Property | Units | Value |
|--------------------------|-----------|-------------------|
| Durometer @25°C | Shore D | 80 |
| Temperature Range of Use | °C | -60 thru + 125 * |
| Tensile Strength | psi | 10,000 |
| Elongation | % | 5 |
| CTE | ppm | <50 |
| Dielectric Strength | Volts/mil | > 400 |
| Volume Resistivity | Ohm/cm | >10 ¹⁴ |
| Flammability | UL94 | Pass |

Under low stress conditions and for intermittent exposures, higher temperature resistance is likely.

STORAGE AND HANDLING

Shipment Room temperature
Storage Room temperature
Safety Refer to MSDS for details

All values are considered typical based on tests believed to be accurate. Polysciences, Inc. may change the data as appropriate.

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