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TECHNICAL DATA SHEET 931

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PC200 A&B

Versatile Use 1:1 Room Temperature Curable Epoxy

DESCRIPTION

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
Type	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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