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## TECHNICAL DATA SHEET 707

Page 1 of 1

# PC620 A&B

### DESCRIPTION

PC620 A&B is a 2 component epoxy designed for bonding, encapsulating and sealing applications requiring high strength, high rigidity and high Tg. PC620 A&B cures at elevated temperatures.

### UNCURED PROPERTIES

Typical properties, values approximate

	Part A	Part B	Mixture
Type	Epoxy Resin	Epoxy Curative Mixture	
Color	Tan	Amber	Tan
Viscosity, cps	Paste	< 300	~ 20,000

### PROCESS PARAMETERS

#### Mix Ratio

	Part A	Part B
By Weight	2	1

### USAGE

Mix the components together avoiding air entrapment as much as possible. This can be done by adding the components to a small clear bag with a zipper type closure, squeezing out the air, sealing the bag and kneading the product together for approximately 1 minute. A small cut in the corner of the bag can then be used to extrude the mixed product.

If mixed in a container, the product should be left to stand until any foam or air is removed. This can be done quickly by placing the mixture in a desiccator attached to a vacuum pump. The mixture can be vacuumed until, foaming stops.

### OPTIMUM CURE CYCLE

2 hours @ 150°C + 2 hours @ 200°C

### CURED PROPERTIES

Property	Units	Value
Durometer @25°C	Shore D	90
Tg	°C	> 200
CTE	ppm	<50
Resistivity	Ohm-cm	>10 <sup>15</sup>
Dielectric Strength	V/mil	>450
Temperature Range of Use	°C	-40 thru + 220 *

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

### STORAGE AND HANDLING

**Storage** Room temperature  
**Safety** Refer to MSDS for handling practices

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

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