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PC570 A&B

TECHNICAL DATA SHEET 934

Page 1 of 1

DESCRIPTION

PC570 A&B is a 2 component epoxy designed for bonding, encapsulating and sealing applications requiring high strength, high rigidity and high Tg. PC570 A&B cures rapidly at elevated temperatures.

FEATURES

- Low Viscosity
- Long Work Life
- Clear
- High Heat Resistance

TYPICAL UNCURED PROPERTIES

	Part A	Part B	Mixture
Type	Epoxy Resin	Epoxy Curative Mixture	
Color	Clear, Colorless	Clear, amber	Clear, amber
Viscosity, cps	5,000	<200	1500
Specific Gravity	1.15	1.15	1.15

PROCESS PARAMETERS

Mix Ratio

	Part A	Part B
By Weight	100	10
By Volume	100	10

Pot Life @ 25°C ~ 4 hours (100 grams of mixed product)

USAGE

Add Part B to Part A at a weight ratio of 1 to 10.

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.

CURED TIME

@ 120°C 2 hours
@ 150°C 5 minutes

CURED PROPERTIES

(Typical properties values approximate)

Property	Units	Value
Durometer @25°C	Shore D	85
Tg	°C	>100
Lap Shear Strength	Psi	>2,000
Temperature Range of Use	°C	-50 thru + 180

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

STORAGE AND HANDLING

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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