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UV Curable Epoxy

PC220 A&B

TECHNICAL DATA SHEET 944

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DESCRIPTION

PC 220 is a 2 component low viscosity epoxy. The product is well suited for various potting, sealing, and bonding applications.

FEATURES

- Good Durability
- Hard Surface Cure
- Good Dimensional Stability
- Room Temperature Curable

TYPICAL UNCURED PROPERTIES

	PC 220A	PC 220B1	PC 220B2
Type	Epoxy Resin/	Curing Agent Mixture	Curing Agent Mixture
Color	White	Pale Yellow	Pale Yellow
Specific Gravity	1.12	0.98	1.00
Viscosity, cps	2,000	< 30	< 50

PROPERTIES OF MIXED MATERIAL

Typical Properties, values approximate

	PC 220 A B1	PC 220 A B2
Mix Ratio by weight, A:B	8:1	35:10
Mix Ratio by volume, A:B	7:1	3:1
Viscosity, cps	400	300
Color	White	White
Pot Life @ 25°C, hours	0.5	2
Set Time @ 25°C, hours	1	3
Full Cure @ 25°C, hours	4	16

Actual pot life and cure time will depend on several factors. These include:

- Ambient temperature- lower temperature will cause slower setting
- Dimensions of mixed material- thicker sections will generate more heat on curing and will cure faster.

USAGE

Add Part B to Part A at the stated mix ratio.

Mix the components together avoiding air entrapment as much as possible. Mix until product is streak free and is a uniform color. Scrape sides of the container to be sure all material is mixed. Before use it is best to place the product in a vacuum chamber connected to a vacuum. The mixture should be exposed to vacuum until foaming stops. Since under vacuum the product may rise, it must be placed in a container at least 5 times the initial product volume.

For mixing of small amounts, dispense material into a clear plastic bag, squeeze out entrapped air, seal and knead to mix. This will produce an air free mixture.

STORAGE AND HANDLING

Storage 12 months from date received @ room temperature. Product containers should be closed when not in use.

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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