



U.S. Corporate Headquarters
400 Valley Rd.
Warrington, PA 18976
1(800) 523-2575 / (215) 343-6484
1(800)343-3291 fax
info@polysciences.com

Polysciences Europe GmbH
Handelsstrasse 3
D-69214 Eppelheim, Germany
+(49) 6221-765767
+(49) 6221-764620 fax
info@polysciences.de

Polysciences Asia-Pacific, Inc.
2F-1, 207 Tunhwa N. Rd.
Taipei, Taiwan 10595
(886) 2 8712 0600
(886) 2 8712 2677 fax
info@polysciences.tw

TECHNICAL DATA SHEET 705

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PC600 A&B

DESCRIPTION

PC600 A&B is a 2 component epoxy designed for bonding, encapsulating and sealing applications requiring high strength, high rigidity and very high Tg. PC600 A&B cures rapidly at elevated temperatures.

FEATURES

- Low Viscosity
- Long Work Life
- High Heat Resistance

UNCURED PROPERTIES

Typical Values Approximate

	Part A	Part B	Mixture
Type	Epoxy Resin	Epoxy Curative Mixture	
Appearance	Clear, Colorless	Amber, brown liquid	Amber-brown
Viscosity, cps	200	300	220
Specific Gravity	1.15	1.12	1.14

PROCESS PARAMETERS

Mix Ratio

	Part A	Part B
By Weight	100	110

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

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.

CURED TIME

For maximum heat resistance:
1 hour @ 100°C + 1 hour @ 150°C + 2 hours @ 200°C

Alternate Cure: 1 hour @ 100°C + 2 hours @ 170°C

CURED PROPERTIES

Property	Units	Value
Durometer @25°C	Shore D	90
Tg	°C	> 200
Lap Shear Strength	Psi	> 2,000
Temperature Range of Use	°C	-50 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 details

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

North America (United States)

1 (800) 523-2575 / (215) 343-6484
1 (800) 343-3291 / (215) 343-0214 fax

Europe (Germany)

(49) 6221-765767 / (49) 6221-764620 fax

Asia-Pacific (Taiwan)

(886) 2 8712 0600 / (886) 2 8712 2677 fax

Online anytime at: polysciences.com