



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

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

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OptiCLEAR™ Liquid Encapsulant Fill SF801 A & B

OptiClear SF801 A & B is a 2 component epoxy designed for bonding, encapsulating and sealing applications requiring good optical clarity. OptiClear SF801 A & B will cure at ambient temperatures, but will cure rapidly, and with optimum properties with moderate heat. The product has excellent adhesion to many substrates, including: metals, glass, and ceramics.

FEATURES

- Low Viscosity
- Long Work Life
- Optically Clear
- Low Stress Cure

UNCURED PROPERTIES

	Part A	Part B	Mixture
Type	Epoxy Resin	Amine Mixture	
Color	Clear, Colorless	Clear, Colorless	Clear, Colorless
Viscosity, cps	1500	<20	250
Specific Gravity	1.20	0.95	1.10

PROCESS PARAMETERS

Mix Ratio

	Part A	Part B
By Weight	100	50
By Volume	1.6	1.0

Pot Life @ 25°C ~3 hours (100 grams of mixed product)

USAGE

Add Part B to Part A at a weight ratio of 50 parts to 100 parts. Mix the components together avoiding air entrapment as much as possible. This is best 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 dessicator attached to a vacuum pump. The mixture can be vacuumed until, foaming stops.

CURE TIME

@ 25°C	5 days
@ 60°C	3 hours
@ 80°C	2 hours

CURED PROPERTIES

Property	Units	Value
Durometer @25°C	Shore D	70
Color	Gardener Scale	1
Temperature Range of Use	°C	-50 thru + 160 *

* 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.

TO ORDER

In The U.S. Call: 1(800) 523-2575 • (215) 343-6484
In The U.S. Fax: 1(800) 343-3291 • (215) 343-0214
In Germany Call: +(49) 6221-765767
In Germany Fax: +(49) 6221-764620

Order online anytime at www.polysciences.com