



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 898

Page 1 of 1

UV Curable Conformal Coating-Dual Curable CC 1200

DESCRIPTION

Polysciences CC 1200 is a UV curable product with excellent adhesion to a wide range of materials. It is well suited for use as a conformal coating. The product cures in seconds when exposed to high intensity long wavelength UV or Visible light. CC 1200 can be heat cured to complete the cure if any areas were not exposed to UV light.

PRODUCT FEATURES

- 1 Part, No Mix Product
- No Volatile Emissions
- Very Rapid Curing under UV Light
- Good Adhesion
- Wide Temperature Use Range
- Fluorescent

UNCURED PROPERTIES

Typical Properties

	CC 1200
Type	Formulated Acrylate
Color	Clear, Colorless to Light Yellow
Viscosity, cps	1500

PROCESS PARAMETERS

1. Apply Polysciences CC 1200 to the surface to be coated.
2. CC 1200 may be: brush, dip, or spray coated on the part.
3. Cure the part by exposure to a high intensity UV-A light source. The amount of time needed for curing will be based on several factors. These include:
 - Intensity of the UV light source
 - UV absorption of the substrate
 - Distance of the light source to the product
 - Thickness of the section to be cured
4. Typically exposure of 5 – 10 seconds under high intensity UV – A light is sufficient for curing. Lower intensity cure units will require longer curing times.
5. After UV curing CC 1200 may be post cured by heating to:
 - 30 minutes @ 120°C or
 - 10 minutes @ 150°C

CURED PROPERTIES

Typical Properties

Property	Units	Value
Hardness @25°C	H Scale	> 2
Youngs Modulus	MPa	25
Elongation	%	40
Temperature Range	°C	-60 thru + 150

STORAGE AND HANDLING

Storage 12 months @ <10°C. Product 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.

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