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UV Curable Epoxy

PC7050

TECHNICAL DATA SHEET 942

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DESCRIPTION

Polysciences PC 7050 is a UV curable epoxy product. It is well suited for use in applications requiring high heat resistance, rigidity and durability. The product cures in seconds when exposed to high intensity UV light.

FEATURES

- 1 Part, No Mix Product
- Very Rapid Curing
- Low Viscosity
- Good Adhesion
- Good Wetting and Flow Properties
- High Cured Strength
- High Modulus

TYPICAL UNCURED PROPERTIES

	PC 7050
Type	Formulated Epoxy
Color	Colorless Liquid
Viscosity, cps	500

PROCESS PARAMETERS

- Apply the product to one of the surfaces to be bonded or sealed.
- Mate the other bonding surface.
- 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

Typically exposure of 5-10 seconds under high intensity UV-A light is sufficient for curing. Lower intensity cure units, and/or thicker substrates will require longer curing times.

CURED PROPERTIES

(Typical properties values approximate)

Property	Units	Value
Durometer @25°C	Shore D	75
CTE	Ppm	75
Tg	°C	>100

STORAGE AND HANDLING

Storage 12 months @ <25°C
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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