



EA6042 Data Sheet

Electronic Materials

UV Curable Adhesive

Material Description

EA6042 is a fluorescence, fast UV cure adhesive. This product is suitable for bonding a wide variety of substrates including glass, many plastics and most metals. This product has shown excellent adhesion and flexible.

Features & Benefits

One component, requires no mixing.
Fast curing.
Good adhesion to glass, many plastics and many metals.
Good flexible.

Curing Profile

Recommended cure:

- 100mW/cm² @ 405nm for 30s

Contact HB Fuller technical support for additional curing recommendations.

Typical Uncured Properties

Property	Value
Appearance	Blue liquid
Component:	Polyurethane Acrylate
Viscosity (25°C, CP52, 10rpm), cps	5,000
Ti	2.3
Density (g/cm ³)	1.05

Typical Curing Properties

100mW/cm²@365nm

Property	Value
Tacky free time (s)	<6
Depth of cure MM@24s	8

Typical Cured Properties

(100mW/cm²@365nm for 24s)

Physical Property	Value
Hardness, Shore D	66
Tensile strength, at break, Mpa	16
Elongation at break, %	155
Lap shear strength, PC/PC, Mpa	14
Tg by TMA, °C	93

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Instruction for Use

1. Coating surface area should be clean and free of any fluxes, residues, dust or any other contaminants.
2. A UV lamp with a wavelength of 365nm is required. The UV light should be focused towards the coated surface.
3. Curing speed is determined by the intensity of UV radiation, the distance from the UV light source and the coating surface. The depth of coating material can also require additional cure time.
4. Immediately close the lid after use. A black hose must be used to dispense the adhesive.
5. This material should be stored away from sunlight, UV light and artificial light sources.

Storage

Product should be stored at temperature between 8°C to 28°C in the unopened container in a dry location.

Shelf Life: 12 months

Health & Safety Precautions

Keep away from children's store.

This product is recommended to be used within a well-ventilated place.

If you accidentally touches the skin, immediately wash with soap and water.

If you accidentally touches the eyes, please rinse with plenty of water, and then seek medical attention.

For details, please refer to the product MSDS.

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