



EA6042

EA6042 is a high performance, fluorescence, fast UV cure adhesive and encapsulant. EA6042 has a tack free surface finish and electrical insulation performance. This product has excellent precision dispensing and jetting performance. EA6042 is suitable for bonding a wide variety of substrates including glass, many plastics and most metals. This product has excellent adhesion and flexible.

Technology / Base	Polyurethane Acrylate
Type of Product	Adhesive and Encapsulant
Components	One Component
Curing	Ultra Violet Light
Appearance / Color	Translucent Blue
Consistency	Thixotropic Liquid

Features and Benefits

- One component, requires no mixing
- Excellent depth of cure, fast curing
- Excellent adhesion to glass, many plastics and many metals
- High flexibility
- Excellent depth of cure
- Color changed after UV cured
- Tack free surface finish
- Excellent precision dispensing and jetting performance
- Excellent electrical insulation performance
- Halogen free

Technical Data

Rheology	Value	Condition/Method
Viscosity	5000 cPs	25°C (77°F)
Thixotropic Index	2.2	
Density		
Specific Gravity	1.05	
Curing Process Characteristics		
Cure Time and Wavelength	30s at 100mW/cm ² , 365nm	
Shelf Life	12 months	
Storage Condition	8°C to 28°C in unopened container, dry location	
Optimum Wavelength	365 to 405 nm	
Cured Material Characteristics		
Tack Free	<6s at 100mW/cm ² , 365nm	
RoHS Compliant	Yes	
Cured Mechanical Properties		
Hardness	Shore A Shore D	ASTM D2240 ASTM D2240
Tensile Strength	16 MPa	ASTM D638
Elongation to Break	355%	ASTM D638
Lap Shear Strength, PC/PC	16 MPa	ASTM D1002, 25°C 50% RH



General Instructions

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

Specifications and Approvals

Storage

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

Safety and Disposal

For safe handling information and disposal information on this product, consult the Safety Data Sheet (SDS)

H.B. Fuller Company
 No. 27 Chongqing Street
 Yantai Economic and Technological Development Zone
 Yantai, Shandong, China 264006
 + 86-535-610-8822 tel

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www.hbfuller.com

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