



### EA6111 Data Sheet

#### Electronic Materials

#### UV/moisture Curable Conformal coating

##### Material Description

EA6111 is a fast cure, low viscosity, UV/moisture double cure adhesive. This product is a conformal coating designed for the protection from moisture and harsh chemicals. It can be cured in shadowed areas.

##### Features & Benefits

- Low viscosity
- Fast cure
- UV/moisture double cure
- High adhesion strength
- Good moisture resistance
- Excellent chemical resistance

##### Curing Profile

Recommended cure:

- 100mW/cm<sup>2</sup>@365nm for 30s
- Moisture cure occurs at ambient temperature and humidity.

Contact HB Fuller technical support for additional curing recommendations.

##### Typical Uncured Properties

Property	Value
Appearance	Translucent
Component:	Acrylate
Viscosity (25°C,CP52,100rpm),cps	203
Density (g/cm <sup>3</sup> )	1.05

##### Typical Curing Properties

100mW/cm<sup>2</sup>@365nm

Property	Value
Tacky free time ( s )	5
Depth of cure MM@30s	8

##### UV/moisture Curing Performance

100mW/cm<sup>2</sup>@365nm for 30s as initial, moisture cure condition of 50%RH,RT)

##### Shore D

Initial,	20
After one day moisture cure	35
After three days moisture cure	45
After five days moisture cure	55
After seven days moisture cure	70

##### Typical Electrical Properties

Property	Value
Surface Resistivity, ohm	1.1 x 10 <sup>16</sup>
Volume Resistivity, ohm.cm	3.9 x 10 <sup>15</sup>
Dielectric Constant, @ 1MHz	3.4

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North America  
+888-HBFULLER  
+888-423-8553

inquiry@hbfuller.com  
www.hbfuller.com





## LAB DATA SHEET

Dissipation Factor @ 1 MHz	0.04
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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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