



LAB DATA SHEET

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/cm2@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 ³)	1.05	

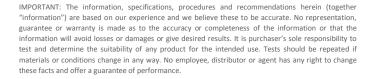
Typical Curing Properties 100mW/cm ² @365nm		
Property	Value	
Tacky free time (s)	5	
Depth of cure MM@30s	8	

UV/moisture Curing Performance 100mW/cm ² @365nm for 30s as initial, moisture cure condition of 50%RH,RT)		
Shore D		
Initial,	20	
After one day	35	
moisture cure		
After three days	45	
moisture cure		
After five days	55	
moisture cure	55	
After seven days	70	
moisture cure	/0	

Typical Electrical Properties		
Property	Value	
Surface Resistivity, ohm	1.1 x 10 ¹⁶	
Volume Resistivity, ohm.cm	3.9 x 10 ¹⁵	
Dielectric Constant, @ 1MHz	3.4	

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Dissipation Factor @ 1 MHz

0.04

Instruction for Use

- 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.
- 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.
- 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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