



# UV Cure 60-7111

## Electronic Grade UV Adhesive & Encapsulant

### DESCRIPTION:

UV Cure 60-7111 is a non-yellowing UV Curable urethane system. It is designed to provide low stress on electronic components and outstanding adhesion to a variety of substances. UV Cure 60-7111 also has high impact strength and flexibility. This material is a good choice when water and weather resistance is important.

UV Cure 60-7112 is a higher viscosity version (7,000 cps) of the 60-7111.

### FEATURES:

- Weather Resistant
- Excellent Adhesion
- High Impact Strength
- High Flexibility

### TYPICAL SPECIFICATIONS:

|                                   |                    |
|-----------------------------------|--------------------|
| Color                             | Clear              |
| Viscosity, 25 °C, cps             | 3,500              |
| Elongation, %                     | 230                |
| Hardness, Shore A/D               | 80A/30D            |
| Operating temperature range, °C   | -50 to +155        |
| Dielectric strength, V/mil        | 450                |
| Dielectric constant, 60 Hz        | 4.5                |
| Volume resistivity, 25 °C, ohm-cm | $5 \times 10^{16}$ |

### ADHESION:

|                   |    |
|-------------------|----|
| Cold rolled steel | SR |
| Stainless steel   | SR |
| Aluminum          | SR |
| Copper            | HR |
| Glass             | SR |
| PVC               | HR |
| Nylon             | R  |
| HDPE              | NR |
| LDPE              | HR |
| Polycarbonate     | HR |
| Polypropylene     | R  |

SR = Strongly recommended  
R = Recommended

HR = Highly recommended  
NR = Not recommended



**CURE SCHEDULE:**

|                       |                      |
|-----------------------|----------------------|
| UV Cure 100 Spot Cure | Less than 10 seconds |
| UV Cure Conveyor      | Less than 10 seconds |

Cure speed is dependent upon the UV light source, thickness of material, distance from the light, and UV transmission of substrates through which the UV light must pass to reach the adhesive.

**STORAGE AND HANDLING:**

All UV curable resins should be stored in a dark cool area. Store at temperatures below 30 °C (86 °F). Expected shelf life is one year when stored below 30 °C (86 °F) in the original, unopened container. Refrigerated storage extends shelf life.

**CAUTION:**

Read Safety Data Sheet (SDS) before using this or any other chemical.

**IMPORTANT:**

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