

# 60-7112RCL

## Electronic Grade UV Adhesive & Encapsulant

### DESCRIPTION:

60-7112RCL 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. 60-7112RCL also has high impact strength and flexibility. This material is a good choice when water and weather resistance is important.

UV Cure 60-7111RCL is a lower viscosity version of the 60-7112RCL.

### FEATURES:

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

### TYPICAL SPECIFICATIONS:

Viscosity, 25 °C, cps	7,000
Color	Clear
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 x 10 <sup>16</sup>
Glass Transition Temperature, °C	50

### 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, seconds	<10
UV Cure Conveyor, seconds	<10
365nm LED Flood Lamp, seconds 1 cm distance, 25 watts	>30

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, HANDLING, SAFETY:**

Store out of sunlight in original container. Expected shelf life is one year when stored below 30 °C in the original, unopened container. Refrigerated storage extends shelf life. Avoid exposing material to moisture.

Please read the Safety Data Sheet before using this or any other chemical.

**AVAILABILITY:**

This product is available in 10cc syringes, pints, gallons, and 5-gallon pails.

**IMPORTANT:**

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08/2024

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