



# 60-7155RCL UV ADHESIVE & POTTING COMPOUND

## DESCRIPTION:

60-7155RCL is a one-component, moisture and chemical resistant epoxy that cures with low intensity black light or high intensity UV lamps. This product is water clear and is designed to be used as an adhesive, coating, or encapsulant.

60-7155RCL is a good choice for potting and encapsulating applications due to its ability to deep section cure up to  $\frac{3}{4}$  inch. Another unique and important feature is its ability to “dark cure”. Once exposed to UV light the UV Cure 60-7155 will continue to cure in the absence of light. 60-7155RCL may also be heat cured as a secondary cure operation.

60-7155RCL is not affected by oxygen and will not have a sticky or greasy surface. The surface is rigid, smooth, and glossy when properly cured. 60-7155RCL bonds to metal, plastic, paper and ceramic.

When cured under blacklight for 15 minutes, 60-7155RCL **passes NASA’s outgassing requirements** per ASTM E595.

Related Products: 60-7170RCL is a higher viscosity version of 60-7155.

## FEATURES:

- One component
- Excellent adhesion
- Contains no solvents
- Good electrical insulation
- Low shrinkage
- No outgassing
- Will shadow cure
- Good weathering resistance
- Cure is not inhibited by oxygen
- Low odor

## TYPICAL PROPERTIES:

Viscosity, cps, 25°C	1,000
Color	Water clear
Hardness, Shore D	50
Operating Temperature Range, °C	-50 to +200
Solids Content, %	100
Specific Gravity, 25 °C	1.09
Dielectric Strength, V/mil	425

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Glass Transition Temperature, °C	60
Tensile Strength, psi	6,200
Moisture Resistance	Excellent
Refractive Index (liquid)	1.4955 at 589 nm
Spectral Transmission (cured)	>95% at 440-1660 nm
UV Wavelength, Optimum	300 nm
Outgassing	
%TML	0.74
%CVCM	0.02

### CURE SCHEDULE

UV Black light, 40 watt, minutes	15
UV 100 Spot Cure, seconds	2 - 5
UV Cure Conveyor, seconds	2 - 5
365nm LED Flood Lamp, seconds	>30
1 cm distance, 25 watts	

Cure speed is dependent upon the UV light source, thickness of material, distance from the light, and UV transmission of substrates.

Cure speed may be increased by warming material or substrate. Cure speed may also be increased by IR or conventional thermal oven after UV exposure.

### STORAGE, HANDLING, SAFETY:

Store out of sunlight in original container. The expected shelf life is 12 months in original unopened containers when stored at temperatures between 4 – 16 °C. 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, 30cc and 55cc syringes, pints, quarts, gallons, and 5-gallons.

### IMPORTANT:

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