



60-7185RCL ULTRA CLEAR UV CURABLE ADHESIVE, COATING, & ENCAPSULANT

DESCRIPTION:

60-7185RCL is a one component, UV light curable aliphatic urethane acrylate. 60-7185RCL is water clear and exhibits superior yellowing resistance. This product has been formulated to cure instantly when exposed to high intensity ultraviolet light. 60-7185RCL has excellent adhesion to a variety of substrates and is therefore suitable as an adhesive and coating candidate or may be used in small potting applications.

60-7185RCL may also be used as a **decorative ultra clear doming resin** on labels, pins, key fobs, and magnets. Its high gloss finish and outstanding clarity will enhance any image it is applied over.

FEATURES:

- Water Clear
- One Part
- Low Viscosity
- Cures in Seconds
- 100% Solids (No solvents)
- Low Shrinkage

TYPICAL PROPERTIES:

Viscosity, 25 °C, cps	800
Color	Clear
Glass Transition Temperature, °C	20
Hardness, Shore A	80-85
Solvent Content	100% Solids, No Solvents
Specific gravity, 25 °C	1.1

CURE SCHEDULE:

UV Absorption Wavelength, nm	250 – 400
10 mw/cm ² , 2 mm, seconds	10
10 mw/cm ² , 3-5 mm, seconds	30
365nm LED Flood Lamp, seconds	>30
1 cm distance, 25 watts	

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

**STORAGE:**

Store out of sunlight in original container. Product shelf life under proper storage conditions is one year at temperatures between 40 - 60°F. Avoid exposing material to moisture.

HYGIENE AND SAFETY:

60-7185RCL Resin is a mild skin and eye irritant. Prolonged skin contact may cause sensitization. If skin contact occurs wash with soap and warm water. Eyes should be protected from inadvertent splashes. In case of eye contact flush immediately with water and seek medical attention.

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

AVAILABILITY:

60-7185RCL is available in syringes, pints, quarts, gallons, and 5-gallon pails.

IMPORTANT:

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