

UV CURE 60-7156

Flexible UV Curable Adhesive & Potting Compound

DESCRIPTION:

UV Cure 60-7156 is a one- component epoxy that cures with low intensity black light or high intensity UV lamps. UV 60-7156 is water clear and is designed to be used as an adhesive, coating, or encapsulant. This system is moisture and chemical resistant. Its low durometer (flexibility) provides less stress on sensitive electronic components.

UV Cure 60-7156 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 60-7156 will continue to cure in the absence of light. This is advantageous when potting or joining substrates with shadow areas. UV Cure 60-7156 may also be heat cured as a secondary cure operation.

UV Cure 60-7156 is not affected by oxygen and will not have a sticky or greasy surface. The surface is flexible, smooth, and glossy when properly cured. UV Cure 7156 bonds to metal, plastic, paper and ceramic.

FEATURES:

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

TYPICAL SPECIFICATIONS:

Viscosity, 25°C, cps	600
Color	Water clear
Hardness, Shore A	95
Operating Temperature Range, °C	-50 to +200
Specific gravity, 25°C	1.09
Solids content, %	100
UV wavelength, optimum	300 nm
Tensile strength, psi	6,200
Moisture Resistance	Excellent
Dielectric Strength, V/mil	425

**CURE SCHEDULE**

UV Black light, 40 watt, minutes	15
UV 100 Spot Cure, seconds	2 - 5
UV Cure Conveyor, seconds	2 - 5
Optimum wavelength, nm	300

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.

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 the original container. Product shelf life under proper storage conditions is at least twelve months at temperatures between 40-60°F. Avoid exposing material to moisture.

Low potential for skin and eye irritation or sensitization. See Safety Data Sheet (SDS) for more details on proper handling and precautions.

AVAILABILITY:

UV Cure 60-7156 is available in 10cc, 30cc and 55cc syringes, Quarts, Gallons, 5 Gallon Pails and 55 Gallon Drums.

IMPORTANT:

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06/2025