EPOXIES
INNOVATIVE BONDING SOLUTIONS ETC.

TECHNICAL BULLETIN

UV CURE 60-7159
UV Curable Conformal Coating

DESCRIPTION:
UV Cure 60-7159 is a low viscosity conformal coating for Printed Circuit Boards (PCB's), components and various substrates. When exposed to long wave UV it forms a tough, clear and flexible coating. UV Cure 60-7159 resists yellowing, vibration and impact.

UV Cure 7159 does not contain any solvents and forms a smooth, non-sticky surface.

FEATURES:
- Fast Cure
- Low Viscosity
- Excellent Adhesion
- Good Water & Chemical Resistance

TYPICAL SPECIFICATIONS:

Color	Clear
Solids content, %	100
Dielectric Strength, Volts/mil	425
Viscosity, 25℃, cps	450
Hardness, Shore D	75
Specific gravity, 25℃	1.125
Operating temperature range, ℃	-40 to +135
Tensile strength, psi	3,850
Refractive Index	1.49

CURE SCHEDULE

UV Black light, 40 watt, minutes	10 (50 mils thickness)
UV 100 Spot Cure, seconds	30 (50 mils thickness, 4 w/cm^2)
UV Cure Conveyor	1 pass @ 20 FPM (300 WPI, 2 mil film)
Optimum wave length, nm	300-400

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:
Store out of sunlight in original container. Product shelf life under proper storage conditions is at least twelve months at temperatures between 40-60℉. Avoid exposing material to moisture.

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AVAILABILITY:

UV Cure 60-7159 is available in 10cc, 30cc and 55cc syringes, Quarts, Gallons, 5 Gallon Pails and 55 Gallon Drums.

HYGIENE & SAFETY:

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

IMPORTANT:

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