



Epoxy, Urethane & Silicone Formulations

UV Cure 60-7111 Electronic Grade UV Adhesive & Encapsulant

DESCRIPTION:

UV Cure 60-7111 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. UV Cure 60-7111 also has high impact strength and flexibility. This material is a good choice when water and weather resistance is important.

UV Cure 60-7112 is a higher viscosity version (7,000 cps) of the 60-7111.

FEATURES:

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

TYPICAL SPECIFICATIONS:

Color	Clear
Viscosity, 25°C, cps	3,500
Elongation, %	230
Hardness, Shore A/D	80A/30D
Operating temperature range, °C	-50 to +155
Dielectric strength, volts/mil	450
Dielectric constant, 60 hz	4.5
Volume resistivity, 25°C, ohm-cm	5×10^{16}

ADHESION:

Cold rolled steel	SR
Stainless steel	SR
Aluminum	SR
Copper	HR
Glass	SR
PVC	HR
Nylon	R
HDPE	NR
LDPE	HR

*over

1-800-EPOXIES (376-9437) • 401-946-5564 • Fax: 401-946-5526

21 Starline Way • Cranston, RI 02921 USA

www.epoxies.com • service@epoxies.com

Polycarbonate
Polypropylene

HR
R

SR = Strongly recommended
R = Recommended

HR = Highly recommended
NR = Not recommended

CURE SCHEDULE:

UV Cure 100 Spot Cure, seconds Less than 10 seconds
UV Cure Conveyor, seconds Less than 10 seconds

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 AND HANDLING:

All UV curable resins should be stored in a dark cool area. Store at temperatures below 30°C (86°F). Expected shelf life is one year when stored below 30°C (86°F) in the original, unopened container. Refrigerated storage extends shelf life.

CAUTION:

Read Material Safety Data Sheet (MSDS) before using this or any other chemical.

IMPORTANT:

The information in this brochure is based on data obtained by our research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.