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# FLASHBOND™

## UV-8701E

### UV CURE EPOXY

**TECHNICAL DATA** **JANUARY 2024**

#### Product Description

UV-8701E is a thixotropic, light curing epoxy adhesive that bonds well to a wide variety of substrates including engineered plastics such as Ultem™, Lexan™, and ABS. This product exhibits good surface wetting and adhesion to glass and many plastics. UV-8701 is clear magenta when uncured but turns translucent when cured as a built in cure indicator. This product requires direct light exposure during cure. Because of the variability of different UV/LED light sources, it is suggested that the user test and specify intensity and exposure time. This product will cure in the presence of UV Light (315-365nm) and blue light (405nm).

#### APPLICATIONS

- Electronics
- Encapsulation
- Sealant

#### FEATURES

- RoHS & REACH Compliant
- Excellent Chemical Resistance
- High Bond Strength
- Fast UV Cure

#### SUBSTRATES

- Metals
- Ceramics
- Glass
- Plastics

#### PACKAGING

- Syringes
- Bulk

TYPICAL PROPERTIES OF UNCURED MATERIAL	
Property	Value
Chemical Class	Cationic Epoxy
Appearance	Magenta
Viscosity, 20 RPM @ 25°C, cps	5,000 to 9,000
Viscosity, 2 RPM @ 25°C, cps	15,000 to 20,000
Specific Gravity	1.14

TYPICAL PROPERTIES OF CURED MATERIAL	
Property	Value
Glass Transition Temperature (Tg), °C	135
Hardness, Shore	D-78
Ultimate Tensile Strength, PSI	5,000
Elongation at Break, %	6
Operating Temperature Range, °C	-55 to 250
Volume Resistivity, Ω-cm	1 x 10 <sup>14</sup>

**\*All properties given are typical values and are not intended for use in preparing specifications.**

CURE OVERVIEW	
Optimal Wavelength	365-405nm
Optimal Intensity	100-200 mW/cm2

### SHELF LIFE, STORAGE

25°C (+/- 5°C)      1 Year from Date of Manufacture

MATERIAL IS LIGHT SENSITIVE. CONSULT SDS FOR SAFE HANDLING RECOMMENDATIONS.

### THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY

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