



718 Park East Drive, Woonsocket, RI 02895 USA  
 Phone: +1 (401)-726-4500  
 Email: info@epoxyset.com www.epoxyset.com

# FLASHBOND™

## UV-8300LV

(Formerly BP-023001)

### UV CURE EPOXY

#### TECHNICAL DATA

SEPTEMBER 2019

#### Product Description

UV-8300LV is a low viscosity, light curing epoxy adhesive that bonds well to a wide variety of substrates including metals, glass, ceramics and some plastics. This product exhibits good surface wetting and adhesion to glass and many plastics. 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 visible light (400- 415nm). Can be cured at 150°C for shadowed areas if necessary.

#### APPLICATIONS

- Electronics
- Encapsulation
- Sealant

#### FEATURES

- RoHS & REACH Compliant
- Passes ISO 10993-5
- 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	Clear
Viscosity, 20 RPM @ 25°C, cps	2,000 to 4,000
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/cm <sup>2</sup>

#### SHELF LIFE, STORAGE

28 ± 10°C      1 Year DOM

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

#### THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY

**EPOXYSET MAKES NO EXPRESS OR IMPLIED REPRESENTATIONS OR WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WITH RESPECT TO THIS PRODUCT AND GUARANTEES NO PARTICULAR OUTCOME OR RESULT FROM ITS USE. EPOXYSET'S LIABILITY TO CUSTOMER WITH RESPECT TO THIS PRODUCT SHALL IN NO EVENT EXCEED THE AMOUNT PAID BY CUSTOMER FOR IT.**