



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

# FLASHBOND™

## UV-5402

### UV CURE EPOXY

**TECHNICAL DATA** **SEPTEMBER 2019**

#### Product Description

UV-5402 is a low viscosity, flexible, light curing epoxy adhesive that offers excellent strength and flexibility for reduced cracking. UV-5402 is low viscosity and high elongation. 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) and can also cure down to 365nm.

#### 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	Opaque
Viscosity, 20 RPM @ 25°C, cps	3,000 to 6,000
Specific Gravity	1.14

TYPICAL PROPERTIES OF CURED MATERIAL	
Property	Value
Glass Transition Temperature (Tg), °C	30
Hardness, Shore	D-30
Ultimate Tensile Strength, PSI	5,000
Elongation at Break, %	45
Operating Temperature Range, °C	-60 to 125
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	150-300 mW/cm <sup>2</sup>

### SHELF LIFE, STORAGE

18 ± 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.