



ISO-9001-2015 Certified

# FLASHBOND™

## UV-6502CL

(Formerly BP026502)

UV/VISIBLE LIGHT CURE EPOXY

### TECHNICAL DATA

SEPTEMBER 2019

#### Product Description

UV-6502CL is a low viscosity, high clarity, light curing epoxy adhesive that offers excellent strength wetting properties. UV-6502CL cures to a clear polymer and maintains clarity at elevated temperatures. 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 cures best in the UVA wavelengths (315-365nm).

#### APPLICATIONS

- Electronics
- Encapsulation
- Sealant

#### FEATURES

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

#### SUBSTRATES

- Metals
- Ceramics
- Glass

#### PACKAGING

- Syringes
- Bulk

#### TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value
Chemical Class	Cationic Epoxy
Appearance	Clear
Viscosity, 20 RPM @ 25°C, cps	200 to 500
Specific Gravity	1.12

#### TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Glass Transition Temperature (Tg), °C	135
Hardness, Shore	D-82
Ultimate Tensile Strength, PSI	5,000
Elongation at Break, %	4
Operating Temperature Range, °C	-55 to 200
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 Cure Parameters	315-365nm @ 100-300 mW/cm <sup>2</sup> for <10 seconds
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\*Initial over exposure to light at higher intensities or longer times can result in a yellowing of the cured material.

#### SHELF LIFE, STORAGE

23°C ± 5°C      1 Year DOM

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

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

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