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FLASHBOND™

UV-8403

(Formerly BP040301)

UV CURE EPOXY

TECHNICAL DATA **SEPTEMBER 2019**

Product Description

UV-8403 is a low viscosity, 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-8403 cures to a clear polymer when properly cured. 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 UVA light (310-365nm).

APPLICATIONS
- Electronics
- Encapsulation
- Sealant

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

SUBSTRATES
- Metals
- Ceramics
- Glass
- Plastics

PACKAGING
- Syringes
- Bulk

TYPICAL PROPERTIES OF UNCURED MATERIAL	
Property	Value
Chemical Class	Epoxy
Appearance	Clear Liquid
Components	One
Viscosity @ 25°C, cps	400 to 700
Specific Gravity	1.1

TYPICAL PROPERTIES OF CURED MATERIAL	
Property	Value
Glass Transition Temperature (Tg)	70°C
Hardness, Shore	D-78
Ultimate Tensile Strength, PSI	5,000
Elongation at Break, %	6
Operating Temperature Range, °C	-55 to 150
Volume Resistivity, Ω-cm	1×10^{14}

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

CURE OVERVIEW	
Optimal Cure Conditions	Wavelength:310-365nm, Intensity:150-250 mW/cm2
Optimal Cure Time*	10-15 seconds

*(Because of the variability of different UV/LED light sources, it is suggested that the user test and specify intensity and exposure time.)

SHELF LIFE, STORAGE

18-25°C 6 months 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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