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FLASHBOND™
UV-3700F

UV CURE EPOXY

TECHNICAL DATA **SEPTEMBER 2025**

Product Description

UV-3700F is a filled, low shrinkage, light curing epoxy adhesive that offers low CTE and high bonds strength. UV-3700F cures to a high Tg, rigid polymer with excellent adhesive to metals, ceramics, and glass. This filled system is excellent for when low viscosity systems are not ideal. Due to the variability of different UV/LED light sources, it is suggested that the user test and specify intensity and exposure time.

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	Off White
Viscosity, 50rpm, 25°C	80,000-120,000 cPs
Thixotropic Index, 5rpm/50rpm	2.6-3.0
Specific Gravity	1.52

TYPICAL PROPERTIES OF CURED MATERIAL	
Property	Value
Glass Transition Temperature (Tg), °C	138
Hardness, Shore	D-80
Ultimate Tensile Strength, PSI	4,000
Elongation at Break, %	1-3
Operating Temperature Range, °C	-55 to 250
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 Wavelength	365, 405nm
Optimal Intensity	100-300 mW/cm2

SHELF LIFE, STORAGE

23°C± 10°C 12 months DOM

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

THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY

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