FLASHBOND™
UV-3607HT

UV/HEAT CURE EPOXY

TECHNICAL DATA	OCTOBER 2020

Product Description

UV-3607HT is a 1-component, UV/Thermal cure adhesive & sealant. This material can cure under moderate intensity UV light as well as elevated temperatures for shadowed areas. Its low viscosity is ideal for coating, capillary action, and doming applications. UV-3607HT can be cured by UV light or heat (or UV light followed by a post-cure with heat).

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	3,000 to 4,000
Specific Gravity	1.12

TYPICAL PROPERTIES OF CURED MATERIAL	
Property	Value
Glass Transition Temperature (Tg), °C	125
Hardness, Shore	D-80
Ultimate Tensile Strength, PSI	5,000
Elongation at Break, %	4-6
Operating Temperature Range, °C	-55 to 200
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, Intensity, time	315, 365nm 100-300 mW/cm2, 5-10 seconds
Thermal Cure	30 minutes @ 125°C

SHELF LIFE, STORAGE

6 months from DOM, 0°C ± 5°C

MATERIAL WILL ADVANCE OVER TIME IF STORED ABOVE 5°C. MATERIAL IS LIGHT SENSITIVE.

THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY