Bostik
smart adhesives

UV-EE 3610

UV Curing Encapsulation Epoxy Resin

KEY BENEFITS

UV-EE 3610 cures quickly via UVA light creating a hard polymer with good internal flexibility.

UV-EE 3610 exhibits excellent flow characteristics as well as low stress cure (tension equalizing) favorable behavior in case of bending stress.

UV-EE 3610 demonstrates excellent cure-through and adhesion to a variety of materials. (Metals, Plastics, Glass, Ceramic.)

DESCRIPTION

UV-EE 3610 is a 1-component, epoxy encapsulant and adhesive.
UVA-Cationic Cure.
Cure kinetic may be accelerated with heat

APPLICATION

Electronic components, chip modules (smart card, phone, health insurance cards) encapsulation (Humidity resistant).

Durable Adhesive for transparent substrates.

FEATURES

UV/LED Curing, 1-component Epoxy, free of solvents and VOCs.

Cures to a hard, tack-free, resilient epoxy polymer.

Easy and fast application on automatic dosing and dispensing equipment.

RoHS Compliant (2015/863/EU)
Halogen Free (IEC 61249-2-21)

TECHNICAL DATA

CHARACTERISTICS	VALUE
Chemistry	**Modified Epoxy**
Filler content [%]	**40 (D98 ≤ 32 µm)**
Viscosity @ 25 °C [mPas.s]	**3500 - 4500**
Thixotropic Index	**2.2 – 2.4**
Appearance	**Translucent**
Hardness [Shore D]	**78 - 82**
Glass Transition [°C]	**65-70**
Operating Temperature	**-55°C to 150°C**
CTEα1 [ppm/°C]	**47**
CTEα2 [ppm/°C]	**140**

CURE OVERVIEW		
Optimal Wavelength	**[nm]**	**310 - 365**
Optimal Intensity	**[mW/cm²]**	**140 - 175**
Optimal Time	**[sec]**	**60**

HEALTH AND SAFETY

Ensure good ventilation/exhaustion at the workplace. In case of skin contact, wash thoroughly with soap and water. For eyes, flush immediately with plenty of water for at least 10 minutes and seek medical attention.
Refer to Material Safety Data Sheet for additional health and safety information
These materials are intended for industrial use only, and the practices of good housekeeping, safety and cleanliness should be followed before, during and after use.

STORAGE STABILITY

Store material in a cool, dry location at a temperature between 0°C and 10°C. Material is sensitive to UV and visible light. Avoid exposure to light as much as possible and store in original light blocking container. Material should be allowed to warm to room temperature (25°C-30°C) before use. This material contains powder fillers, which can settle over time. Check bottom of container and remix if settlement has occurred.

DISCLAIMER

The information given and recommendations made herein are based on Bostik's research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and the equipment used for application. Any change in any of these variables can affect the product's performance. It is the buyer's obligation, prior to using the product, to test the suitability of the product for an intended use under the conditions that will exist at the time of the intended use. Bostik does not warrant the product's suitability for any particular application. The product is sold pursuant to Bostik's Terms and Conditions of Sale that accompanies the product at the time of sale. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.