UV ADHESIVE · CODE 3000

Krystal 3000

UV Adhesive

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PRODUCT DESCRIPTION

Krystal UV 3000 is a photo-curing adhesive designed for common plastic (including ABS, HIPS, PS, PC, PVC, and acrylic) bonding. The viscosity of this product is extremely low while the permeability is excellent. This resin is colourless and transparent in thin film bonding. Under either UV or visible lights, this adhesive can cure rapidly and demonstrates excellent adhesion strength. In many applications, cured product shows a significantly better adhesion strength than original materials, such as anti-ultraviolet acrylic and PC surfaces. Through the excellent performance, this resin proves itself to be a considerably reliable photo-curing adhesive.

CHARACTERISTICS

- Ultra-clear
- Good thermal and shock resistance
- Excellent bonding strength to plastics and glass
- Good weather resistance

PHYSICAL PROPERTIES (UNCURED)

PROPERTIES	SPECIFICATION
Chemical Properties	Acrylic Resin
Appearance	Colourless
Viscosity @ 25°C (S14 100 rpm)	5 - 15
Solvent Content, %	0
Heavy Metal Content, %	0

TYPICAL PROPERTIES OF CURED MATERIAL

PROPERTIES	SPECIFICATION
Hardness, Shore D	64
Refractive Index	1.4769
Tensile Strength, Kg/cm² (Acrylic to Acrylic)	108
Elongation @ 25°C, %	228
Glass Transition Temp, °C	-10
Temperature Range °C	-40 to 100

CURE SCHEDULE

PROPERTIES	SPECIFICATION
UV Light Intensity	1500 – 3000 mj/cm²
Wavelength	365nm
Recommended Cure Time, seconds	10 - 15

STORAGE CONDITION

Store original container in a cool and dry area where it is not exposed to high heat or direct sunlight. Advise to store UV adhesive below 25°C.

PACKAGING SIZES

- 50ML Plastic Anti-UV Bottle
- 1 Liter Plastic Anti -UV Bottle

SHELF LIFE

This product has 1year shelf life when stored in original, unopened container between 15-25 ºC, away from direct light sources.

HANDLING PRECAUTIONS

Some findings indicate a lack of potential for carcinogenicity with the compositions of by long term recurrent application to the skin. However, contact with skin is likely to produce mild transient reddening. It is important to remove adhesive from skin with soap and water thoroughly. Krystal 1000 is of moderate acute toxicity by swallowing. If swallowed, induce vomiting at once and call a physician. Avoid contact with eyes. In case of contact, flush with water for at least 15 minutes and get medical attention immediately. For specific information on this product, consult the Material Safety Data Sheet.

COMPLIANCE AND QUALITY

RoHS statements and Safety Data Sheets for this product are available on request. Contact the MightyLoc team and we will send the current documents.

Vitrochem Technology Pte Ltd

1, Bukit Batok Crescent, #05-40 WCEGA Plaza, Singapore 658064 · +65 6766 7191 · +65 6766 7187 · www.mightyloc.com

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All recommendations for the use of our products are based on the current state of our knowledge. The Buyer remains responsible for satisfying itself that the product is suitable for its intended process or purpose. Since we cannot control the application, use, or processing of the product, we accept no responsibility on that basis. Refer to the current controlled data sheet, or contact us, before production use.