

UV3603

Removable Photo – curing Adhesive

UV3603 is removable photo-curing adhesive. It is used for protecting some materials temporarily. When removing this product, pull up one side of the cured resin, it is easy to remove all the cured resin from the materials.

FEATURE

- This product can be removable by peeling
- This product complies to the 2011/65/EU RoHS regulations.

TYPICAL UNCURED PROPERTIES

Properties	UV3603
Composition	Acrylic Resin
Appearance	Liquid
Color	Blue
Viscosity, 25°C, S14 60rpm, cps	16.000~25.000
Thixotropic Index	>2

**This value is for reference. Please refer to COA for the actual value.*

TYPICAL CURING PROPERTIES

Properties	UV3603
Recommended Wavelength, nm	310~365
Minimum Light Intensity, mW/cm^2	>50
Minimum Light Energy, mJ/cm^2	1500~2000

**The minimum light energy is for reference.*

DIRECTION OF USE

1. The surface of the resin contact should be clean.
2. Apply adhesive to one or both substrates to be bonded. The contact surface should be completely flattened until the resin cured.
3. Cure time on the really part will depend upon factors such as part geometry, materials to be bonded, bond line thickness and efficiency of the UV light. Cure schedule should be confirmed with actual production parts and equipment.

4. Please standardize the UV lamp intensity and illumination. Over exposure will not affect the resin properties, but the resin properties will be changed if there is not enough exposure. The resin may have lower reaction rate and may not pass the environmental test experiments.

5. This product may cause skin irritation to sensitive personnel

TYPICAL CURED PROPERTIES

Durometer Hardness ASTM D2240-03, Shore D	35
Durometer Hardness ASTM D2240-03, Shore A	80
Shear Strength Al vs. PMMA, kg/cm^2	14.24
Tensile breaking strength, MPa	5
Elongation, %	329

STORAGE AND SHELF LIFE

The container should be stored in cool and dark place. The resin and hardener will become yellow under the sunlight. Replace the lid immediately after use. Keep without any possibility of wet when not using. Shelf life of this product is six months when stored below 14~34°C in original, unopened containers.

CAUTION

Some findings indicate a lack of potential for carcinogenicity with the compositions of this product 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. DO NOT use solvents for cleaning hands. This resin is of moderate acute toxicity by swallowing. If swallowed, 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.