

PT934 - 4

Removable Photo-curing Adhesive

PT934 - 4 is a removable photo-curing adhesive which especially developed for temporarily protection for some substrates. When removing this product, pull up one side of the cured resin, it is easy to remove all the cured resin from cured substrates.

TYPICAL UNCURED PROPERTIES

Properties	PT934 - 4
Composition	Acrylic resin
Appearance	Liquid
Color	Blue
Viscosity* *25°C, S14 100rpm, cps	13,000 ~ 19,000
Thixotropic Index	> 3.3
Specific Gravity @25°C	1.03
Certificate	RoHS
Recommended Application	Dispensing

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

TYPICAL CURING PROPERTIES *

Curing Equipment: Mercury Lamp / Halogen Lamp	
Recommended Wavelength, nm	310~420
Main Wavelength, nm	365
Minimum Light Intensity, mW/cm ²	> 50
Recommended Light Energy, mJ/cm ²	1,500~2,000
Curing Equipment: LED light	
Recommended Wavelength, nm	365~420
Main Wavelength, nm	365
Minimum Light Intensity, mW/cm ²	> 50
Recommended Light Energy, mJ/cm ²	2,000~3,000

*The minimum light energy is for reference. Different machines lead to different light energy

STORAGE AND SHELF LIFE

This product should be kept without any possibility of sunlight or ultraviolet exposure. Replace the lid immediately after use. This product has six months minimum shelf life when stored in dark place below 14~34°C in original and unopened containers.

TYPICAL CURED PROPERTIES

Properties	PT934 - 4
Durometer Hardness ASTM D2240-03, Shore A	71
Shear Strength, Glass vs Tempered Glass, kgf/cm ²	54.61
Shear Strength PC vs Tempered glass, kgf/cm ²	20.43
Elongation, %	130.07
Modulus of Elasticity, MPa	2.92
Breaking Value, MPa	4.86

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 real part will depend on 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.

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 product 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.

The data contained in this bulletin is provided only as a guide for evaluation/consideration. These material characteristics are typical properties that are based on a limited number of samples tested in the laboratory. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any product or method. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.