

No. 36 Dougong 6th Rd., Douliu City Yunlin County 64069, Taiwan Tel:(886) 5-5574717 E-Mail:service@everwide.com.tw **Technical Data Sheet**

FR 313-9

Removable Photo-curing Adhesive

Product Description

FR313-9 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.

Typical Uncured Properties

	FR313-9
Appearance	Viscous liquid
Color	Blue
Viscosity* 25°C, S14 100rpm, cps	6,800~10,500
Viscosity* 25°C, S14 10rpm, cps	26,000~40,000
Thixotropic Index	> 2
Certificate	RoHS
Application	Dispensing

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

Typical Curing Properties*

Recommended Wavelength, nm 310~365 Minimum Light Intensity, mW/cm² > 50 Minimum Light Energy, mJ/cm² 1,500~2,000

Direction of Use

- It should be applied to a clean surface which is free of dirt, grease or mold release. In many cases, a simple solvent wipe is sufficient.
- Apply adhesive to one or both substrates to be bonded. The contact surface should be completely flattened until the resin cured
- Cure time on the really part will depend upon fators such as part geometry, materials to be bonded, bondline 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 envrionmental test experiments.
- 5. This product may cause skin irritation to sensitive personnel.

Typical Cured Properties

Durometer Hardness ASTM D2240-03, Shore D
Durometer Hardness ASTM D2240-03, Shore A
Breaking Strength, MPa
Elongation, %
40
41
72

Storage and Shelf Life

This product should be kept without any possibility of light exposure. Replace the lid immediately after use. Shelf life of this product is six months when stored in dark place 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 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

Update: 2016-10-26

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.

^{*}The minimum light energy is for reference.