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Technical Data Sheet

GA 024-39

Low-odorant, Water-resistant Photo-curing Adhesive for Glass Bonding

Product Description

GA024-39 is a photo-curing adhesive that can cure rapidly under the ultraviolet light (365nm) and exhibit excellent adhesion strength. This product has toughness and thermal shock resistance, This resin passed many severe environmental test experiments, and it is proven to be a reliable product with stable quality. Everwide also designs a series of this photo-curing product line, including GA024-40, GA024-41, GA406-2 and GA406-3, with different viscosity and hardness for the application of glass T type bonding with water resistance. For specific information on this series of products, please refer to the Technical Data Sheet.

Features

1. This product exhibits excellent transparency, toughness, shock resistance and thermal shock resistance after curing.
2. This resin is stable and shows good weather as well as aging resistance.
3. This resin is water-resistant and will not leak in application of glass T type bonding during long term environmental test experiments.
4. This product complies to the 2011/ 65/EU RoHS regulations.

Typical Uncured Properties

	GA024-39
Appearance	Liquid
Color	Colorless
Viscosity 25°C, S21 100rpm, cps	90~110
Refractive Index n_D@25°C	1.4631
Solvent Content, %	0

Typical Curing Properties

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

*Avoid the resin exposure to light.

Direction of Use

1. Clean the contact surface until it is free of dirt, grease or mold release. Generally, a simple solvent wipe is sufficient.
2. Real curing time depends on various fators, such as part geometry, materials to be bonded, bondline thickness and efficiency of the UV light. Confirm the real curing time and conditions with actual production parts and equipment.
3. Please standardize the UV lamp intensity and illumination. Over-exposure will not affect the product quality; however, under-exposure will severely change the resin properties. When under-exposure, the resin may have lower reaction rate and may not pass the envrionmental test experiments.
4. This product may cause skin irritation to sensitive personnel.

Typical Cured Properties

Durometer Hardness, ShoreD	64
Working Temperature Range, °C	-20~80

Storage and Shelf Life

This product should avoid any direct light exposure. Replace the lid immediately after use to prevent possible light exposure. Shelf life of this product is eight months when stored under shades, room temperature (14~34°C), and in sealed 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.

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.