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Technical Data Sheet

GN 278-69

Photo-curing Adhesive for Camera Lens Bonding

Product Description

GN278-69 is a photo-curing adhesive designed for camera lens bonding. This resin has good adhesion strength after the environmental test experiments. Additionally, this product can cure rapidly under the visible light and is suitable for bonding glass and plastics.

Features

- 1. This resin has excellent toughness, good shock resistance and thermal shock resistance.
- This product has good weather and age resistance
- 3. This resin is well suited for glass and plastic bonding.
- 4. This product complies to the 2011/65/EU RoHS regulations.

Typical Uncured Properties

	GN278-69
Appearance	Liquid
Color	Light yellow
Viscosity 25°C, S14 50rpm, cps	6,800~10,200
Specific Gravity	1.061
Refractive Index nD	1.469
Solvent Content, %	0
Heavy Metal Content, %	0

Typical Curing Properties

390~420 Recommended Wavelength, nm Minimum Light Intensity, mW/cm² > 50 Minimum Light Energy, mJ/cm² 1,000~2,000

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 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 enviionmental test experiments.
- 4. This product may cause skin irritation to sensitive personnel.

Typical Cured Properties

Glass Transition Temp.(MDSC), °C	27
Durometer Hardness, Shore D	64±2
Water Absorption Ratio(25 °C /24hr), %	2.35
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 one year 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

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The data contained in this bulletin is provided only as a quide 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.