



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.
2. 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

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

Typical Curing Properties

Recommended Wavelength, nm	390~420
Minimum Light Intensity, mW/cm ²	> 50
Minimum Light Energy, mJ/cm ²	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 factors, 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 environmental 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 Sheet.