



Photo-Curing Adhesive for Glass and Metal Bonding

Product Description

GM750 is a photo-curing adhesive that is able to cure rapidly under visible lights. Cured resin demonstrates good toughness and thermal shock resistance. This product is especially suited for fixation and adhesion of glass and metals. This resin provides stable adhesion to alloys, which are difficult to bond with ordinary adhesives. This product has low viscosity and excellent permeability, and it is well suitable for bonding large surfaces of glass as well as metal table legs in the furniture industry.

Features

1. This resin passed various severe environmental test experiments. The quality was proven to be highly stable.
2. The product is completely free of carcinogenic substances and volatile substances, and is the most secure.
3. This product complies to the 2011/65/EU RoHS regulations.

Typical Uncured Properties

Appearance	GM750
Color	Liquid
Viscosity 25°C, S14 50rpm, cps	Opaque
Thixotropic Index	11,000~17,000
Specific Gravity	>2
Solvent Content, %	1.067
	0

Typical Curing Properties*

Recommended Wavelength, nm	310~420
Main Reaction Wave Range, nm	365
Minimum Light Intensity, mW/cm ²	>50
Minimum Light Energy, mJ/cm ²	1,500~3,000

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. For the metal which covered by primer or processed externally, please wash the dirt with solvent.
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 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 environmental test experiments.
4. This product may cause skin irritation to sensitive personnel.

Typical Cured Properties

Durometer Hardness, Shore D 70

Storage and Shelf Life

This product resin should be kept without any possibility of moisture and heat exposure. Shelf life of this product is eight months when stored at room temperature (14~34°C).

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, direct contact with the skin is likely to produce mild transient reddening and allergic reaction. If contacted directly, remove the 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, contact the hospital immediately. Avoid any 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.