

UV1120/UV460 UV Resin

UV Resin 1120 is a 1-part resin, high-quality, slow-viscosity synthetic resin. The resin can be easily applied to the desired surface or mold, and then exposed to UV light or direct sunlight for curing. The resin is durable, waterproof, and resistant to yellowing and scratching, ensuring long-lasting creations. It's also self-leveling which reduces the need for post-curing finishing.

This crystal-clear resin is perfect for various crafts and DIY projects, including jewelry making, encapsulating objects, and small item casting. It offers a fast curing time of 2-4 minutes under UV light, and it's compatible with a variety of molds, pigments, and additives. It can be used as an adhesive to bond items with high permeability, such as glass decoration, crystal technology, crystal word, etc.

It's a favorite among beginners and professionals.

Applications

- Jewelry Making
- Encapsulating Projects
- Small Item Casting
- Crafts and DIY Projects
- Used as Adhesive

Features

- Fast Cure
- Higher Refractive Index
- Crystal Clear Finish
- Yellowing Resistance
- Anti-scratch Properties



TECHNICAL OVERVIEW

| Number | Wavelength range (UV LED-24W) | Viscosity | Color | Irradiation Time (Front and Back) | Cure Time | Full Cure | Hardness (Shore D) | Shelf Life |
|--------|----------------------------------|--------------|-------|--------------------------------------|-----------|-----------|-----------------------|------------|
| UV1120 | 365nm~395nm | 1000~1500cps | Clear | 120S | 120S | 12H | 85D | 12Months |
| UV460 | 365nm~395nm | 4000~4500cps | Clear | 60S | 60S | 12H | 85D | 12Months |

Pot life and tack-free time can vary depending on volume and room temp.

These tests were conducted at 77°F/25°C.

ATTENTION

FOR INDUSTRIAL USE ONLY.

Keep Out of Reach of Children

1. Before you begin make sure that you use the proper tools. Failure to use a high watt UV light or a semi-transparent mold will give you inconsistent results. UV lamps less than 16W is not recommended.

2. Do not use any colored mold because it will not allow the UV light to penetrate the resin completely.

3. To obtain full cure at least one substrate must be transparent to the recommended wavelength. The curing speed depends on the wavelength spectrum of the light source, the intensity of light, the distance to the light source, the component geometry and the amount of adhesive. The final strength is reached after 12 hours.

4. It is recommended to use UV irradiation on both sides.

DISCLAIMER

The above data provided by our company are test results obtained at 70% humidity and 25°C temperature and are for reference only. Our company does not promise or assume any legal responsibility for all the data. Considering that our products will be affected by many factors during processing and use, we cannot guarantee that all data can be achieved in a specific environment. Customers are advised to conduct comprehensive tests on the applicability of the product before use, and actual test data shall prevail.

5. Any material removed from the original container must not be returned to the container as it could be contaminated.

6. It is recommended to check the gelling characteristics of a small quantity of resin under actual operating conditions prior to use.

7. Always use Personal Protective Equipment when using this product. Do not ingest.

PACKAGING OR STORAGE

1. Packaging: 25KG/200KG.

2. UV Resin cures when in contact with UV light. All containers should be stored in the original, unopened and undamaged packaging, in a dry place at temperatures between 5°C and 30°.

3. Store in dark and 100% light tight containers only. Avoid contact of the resin with day light during handling operations as day light may lead to immediate curing reactions

4. Resins are stable for up to one year from date of production when properly stored in the original containers, away from sunlight at no more than 77°F (25°C)