



TECHNICAL DATA SHEET

UV RESIN LAFFAN UV01

Characteristics:

UV Resin is one part of resin cured by UV light, base material is modified acrylate, It is low shrinkage, high transparency, high strength, high hardness, Self-degassing, low odor, yellowing resistance and fast curing.

Application Areas:

UV Resin is widely used for small art and crafts and jewelry making , doming , bonding etc.

Technical:

Curing time: 360s±20s (time is related to the light transmittance of the material and the light intensity)

Note: The better the light transmittance of the material, the stronger the UV curing equipment and the faster the curing time

Tensile strength: $\geq 20\text{mpa}$

Hardness after curing: 86±3D

Viscosity: 1400±200mpa·s

Data	UV LED Lamp	Mold Size	Cure Time	Remarks
Example for LAFFAN UV01	Powder:6w with 6 light beads	4cm×3cm, thickness 1.5cm	Front: 180s Back:180s	After UV light stop, crafts will be very hot, at this time, it may not finished cure, suggest to wait and then demold after crafts recover itself to room temperature
	Powder:24w with 20 light beads	4cm×3cm, thickness 1.5cm	Front: 120s Back: 120s	
	Powder:72w with 36 light beads	4cm×3cm, thickness 1.5cm	Front:90s Back: 900s	

Note:

1. During operation, pour the product into the mold when there is no sunlight, let
2. The above performance data are typical data measured in a laboratory environment with a temperature of 25°C and a humidity of 70%, and are for customers' reference only.

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it sit for a while to defoam, and then irradiate it with a UV lamp. When the mold thickness exceeds 2-3mm, it is recommended that the UV lamp should be of a curved type so that it can be illuminated from the side. The power is better to be larger, the time is shorter, and the product surface is smoother.

Products Advantages:

1. High performance, good stability, no self-solidification phenomenon, and good yellowing resistance of the finished product (comparison of curing at the same speed).
2. Convenient operation, clean and neat.
3. Beautiful coating, no traces left, suitable for translucent materials.
4. Wide range of bonding uses: various materials (for example: glass decoration, glass coffee table, glass crystal, crystal craft, crystal chandelier, crystal trophy, crystal letter, etc.).

Tips:

1. When storing, it needs to be sealed in a cool and dry place to avoid children's contact.
2. Before use, please try a small amount first, master the skills and techniques of use, and avoid mistakes.
3. The bonding surface must be kept clean and dry, without water, dirt, oil stains, rust, etc.
4. The glue has a slight odor before it is cured. It is recommended to wear a mask during operation and construction, and pay attention to ventilation. The odor will dissipate in a ventilated environment after the glue is cured.

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