



## TECHNICAL INFORMATION

**Shenzhen JinHua**  
Quality & Value

### Epoxy Resin 312AB-H

#### Feature

Epoxy resin 312AB-H can be cured under normal temperature and low temperature, with good flowing property, natural defoaming, anti-yellow, high transparency, no ripple, bright in surface, it also can be cured faster at elevated temperature.

#### Application

312AB-H can be widely used for crystal photo frame, cross-stitch frame, painting frame, craft, ornament decoration, name plate, card, LED strip potting, blade, high quality LED channel letter, wood table, bar top coating, flooring, etc..

#### Properties before Hardening

|                      |                                      |             |
|----------------------|--------------------------------------|-------------|
| Part                 | 312A-H                               | 312B-H      |
| Color                | Transparent                          | Transparent |
| Specific gravity     | 1.15                                 | 0.96        |
| Viscosity (25°C)     | 4000-6000CPS                         | 100 MAXCPS  |
| Mixing ratio         | A: B = 100:33(weight ratio)          |             |
| Hardening conditions | 25 °C ×8H to 10H or 50°C ×1.5H (2 g) |             |
| Usable time          | 25°C ×40min (100g)                   |             |

#### Operation

1. Weigh A and B glue according to the given weight ratio into the prepared cleaned container, fully mixed the mixture again the container wall by clockwise, place it along for 3 to 5 minutes, and then it can be used.
2. Take the glue according to the usable time and dosage of mixture to avoid wasting. When the temperature is below 15 °C, please heat A glue to 30 °C first and then mix it to the B glue (A glue will be thicken in low temperature ); The glue must be sealed lid after use to avoid rejection caused by moisture absorption.
3. When the relative humidity is higher than 85%, the surface of the cured mixture will absorb moisture in the air, and form a layer of white mist in the surface, so when the relative humidity is higher than 85%, is not suitable for room temperature curing, suggest to use the heat curing.

#### Properties after Hardening

|                                       |                    |
|---------------------------------------|--------------------|
| Hardness, shore D                     | <85                |
| Withstand voltage, KV/mm              | 22                 |
| Flexural strength, Kg/mm <sup>2</sup> | 23                 |
| Volume resistivity, Ohm <sup>3</sup>  | 1x10 <sup>15</sup> |
| Surface resistance, Ohmm <sup>2</sup> | 5X10 <sup>15</sup> |



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|   |       |
|---|-------|
| Thermal conductivity, W/M.K               | 1.36  |
| Induced electric loss, 1KHZ               | 0.42  |
| Withstand high temperature, °C            | 80    |
| Moisture absorption, %                    | <0.15 |
| Compressive strength, Kg/ mm <sup>2</sup> | 8.4   |

### Caution

- 1, The operating environment should be ventilative and should keep away from fire. Closely sealed after use.
- 2, Avoid eye contact, in case of contact, wash with plenty of water and get medical attention immediately.
- 3, If contact skin, wrap with clean cloth or paper, and wash it with water and soap.
- 4, Keep away from children.
- 5, Please take a trial before application to avoid usage mistake.

### Storage And Shelf Life

- 1, Store at the temperature of 25 °C or cool and dry place. Avoid from sunlight, high temperature or high humidity environment.
- 2, Use up as soon as possible when opened. It is strictly forbidden to expose to the air for a long time after it is opened to avoid affecting the quality of the products. The shelf life is six months in the room temperature of 25 °C degree.

**Notice: The above data is typical data measured by the laboratory environment under the temperature of 25 °C, and humidity of 70%. For customers' reference only.**