



specification

Company name: Dongguan Yadi New Materials Co., Ltd

Product name: two-component epoxy adhesive

Product model: JD-320A/B

Product specification: double component

Effective Date: September 1, 2018

| Preparation / Date: | Review / Date: | Approval / Date: |
|-----------------------------|------------------------------|---|
| Yin Canpeng 2018-9-01 | Woshi county 2018-9-01 |  |



1 use

This product is suitable for the sealing protection of electronic components, circuit boards and other products. Such as inverter, filter, LED waterproof power supply, AC capacitor, sensor and other seals.

2 product features

- The curing surface is bright without bubbles
- Product is environmentally friendly, non-toxic and no corrosion
- Low viscosity, good liquidity
- UL94V-0 flame retardant class
- Long term stable physical and mechanical properties at $-40\text{ }^{\circ}\text{C} \sim 130\text{ }^{\circ}\text{C}$

3 technical parameter

| project | | A component | B component |
|---------------|---|-----------------------|--------------|
| Before curing | surface | black liquor | Brown liquid |
| | Component A viscosity (mpa.s, 25°C) | 23000±5000 | |
| | Component B-based viscosity (mpa.s, 25°C) | 100±50 | |
| After mixing | Two-component mixing ratio (weight ratio) | A : B=5: 1 | |
| | After mixing, the viscosity (mpa.s 25°C) | 1500±500 | |
| | Post-mixed specific gravity (g/ml) | 1.55±0.1 | |
| | Operable time (min, 25°C) | 60-90 | |
| After curing | Hardness (shore D) | 75±5 | |
| | withstand voltage kv/mm | 20-25 | |
| | Tensile strength: Kg / cm ² | 40-45 | |
| | distortion temperature °C | 110 | |
| | Volume resistivity (Ω · cm) | ≥1.0*10 ¹⁴ | |
| | Flame-retardant property (3mm) | 94V-0 | |
| | Water absorption rate (100°C * 2h) | ≤1 | |

Note: All of the above data were measured at glue 25°C and 55%RH.



4 usage method

4.1 mixing:

The product is provided in two-component form, produces little precipitation during transport and storage, and should be stirred prior to use. support component A was fully mixed with component B at the specified weight ratio. Set the mixture for 5 minutes before perfusion, which is beneficial to remove the air mixed during mixing. If there are bubbles, vacuum desoolation is required.

4.2 Infusion, curing process and time

After full mixing, the product can be directly injected into the components for curing. This process requires extra care to minimize air mixing. If feasible, the components shall be vacuum defolamed after the use of the product. The product can be cured at room temperature or cured by heat. In general, the product can be cured for 10-12 hours at room temperature, and for 90, 120 minutes at 60°C.

4.3 compatibility

Certain chemicals, curing agent plasticizer, can inhibit the curing of the product, either by cleaning the substrate surface or baking slightly above the curing temperature.

4.4 preventive measures

This information does not contain the product security information information required for safe use. Before using the product, please carefully read the Product Specification, the Product Material Safety Data Sheet, and the physical and health hazard information on the packaging label. The Material Safety Data Sheet is available from the local sales representative.

4.5 Storage and validity

At the temperature of 28°C, the humidity is below 65%, the product shelf life is 6 months from the date of production.



4.6 Packaging Specification:

A glue: 25 kg / barrel;

B glue: 5 kg / barrel;

(For other special packaging, please contact JiaDi Company.)

4.7 matters need attention:

Gadi products are usually harmless when used under specified safety measures. Because some skin allergies may interfere with people, uncured materials should not come into contact with food products or food utensils, even with certain FDA-certified products. Measures should also be taken to prevent uncured materials from touching the skin. Generally, you should wear anti-seepage gloves and wear good protective glasses. At the end of each job, wash the skin thoroughly with soap and warm water to avoid the solvent. Dry your skin with a disposable paper towel and do not use a towel. The work site should be kept adequately ventilated. Refer to the detailed description of these safety precautions. These instructions are available for the cable.

All recommendations for the use of our products, whether provided by us in writing, orally, or from the results of the trials that we have performed, are based on our current level of knowledge. Notwithstanding these recommendations, the Buyer is responsible for making our products fit to their intended process or purpose to meet its requirements. Since we cannot control the application and use of the product, we cannot be responsible. The Buyer shall guarantee that the intended application of the product does not infringe the intellectual property rights of the third party. The parameters provided in this information may vary due to changes in conditions and the actual goods. We guarantee that our products are consistent with the samples provided and confirmed by the customer.