

深圳市正大升化工有限公司
Shenzhen Zhengdasheng Chemical.Co.Ltd

Product Manual

Epoxy resin ZDS1608M

1. Use description

Epoxy resin 1608MAB is an Clear epoxy resin cured under normal temperature,fast curing and low temperature conditions. It has good leveling property, natural defoaming, yellowing resistance, high transparency and no ripple, bright surface and suitable for curing at room temperature. Specially used for coating wood table tops, wood veneers, countertops, artwork, perspective packaging, photo frames, Epoxy, badges, high-grade resin and other electronic parts insulation, moisture-proof potting, confidential cover.

Tip:

1. If it is used to contact food after curing, the temperature of the food should not exceed 50 degrees Celsius.
2. When the hardness is higher than 82D (Shaw hardness), it can be directly polished. If the hardness does not exceed 82D, use the ZDS-400-4ab Coating product and sand/polish it.
3. The mixing quantity should not exceed 5kg, and the casting thickness should not exceed 2cm/time;
4. When the temperature is higher than 25 degrees Celsius, please reduce the number of mixing/casting by half;

PS: Resin and Hardener are forbidden to eat under liquid state. Our company will not be responsible for any illegal operation.

2. Hardening properties

	Epoxy 1608MA	Harder 1608MB
Color:	Colorless and transparent	
Proportion:	1.18	1.05
Viscosity 25°C:	<u>9000-12000CPS</u>	<u>1200MAXCPS</u>

3. Conditions of Use

- 1)Ratio: A: B=100: 100 (weight ratio)
A: B=100: 100 (volume ratio)
- 2) Hardening conditions: 25°C×18-24H OR 50°C×1H (2g)
- 3)Pot life: 25°C×30min (100g)

3.1 Operating recommendations at each temperature

0°C, the recommended maximum mixing volume is 30kg

Pouring product is recommended not to exceed 15kg, it is recommended to be used with a vacuum machine, or Heat the resin and Harder before mixing.

10°C, the recommended maximum mixing amount is 20kg

Pouring product does not exceed 8kg, it is recommended to use it with a vacuum machine, or Heat the resin and Harder before mixing.

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20°C, the recommended maximum mixing amount is 12kg

Pouring products are recommended not to exceed 2kg

25°C, the recommended maximum mixing volume is less than 4 kg

Pouring products are recommended not to exceed 1kg

4. Use method

1. Working environment: Please keep the plastic container clean. A, B components are strictly according to the weight ratio, accurately weighed, and stir it evenly along the inner wall of the container clockwise until it is used for 3-5 minutes.

2. According to the operating time and amount of glue deployment, to avoid waste. When the temperature is lower than 15 °C, please pre-heat the A glue to 30 °C and then adjust the rubber, easy to operate (low temperature, A glue will thicken); After use must seal the lid, to avoid the product due to moisture absorption scrapped.

3. When the relative humidity is more than 85%, the surface of the cured product can easily absorb the moisture in the air to form a white mist. Therefore, when the relative humidity is more than 85%, it is not suitable for room temperature curing. It is recommended to use the heating and curing.

4. The lid must be sealed after use to avoid the product being scrapped due to moisture absorption.

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5. Hardened nature:

1) Hardness:	Shore D	<u>80</u>
2) Withstand voltage:	KV/mm	22
3) Bending strength:	Kg/mm ²	28
4) Volumeresistance:	Ohm ³	1x10 ^{*15}
5) Surfaceresistance:	Ohmm ²	5X10 ^{*15}
6) Thermal conductivity:	W/M.K	1.36
7) Lure power loss:	1KHZ	0.42
8) Heat distortion temperature:	°C	80
9) Water absorption:	%	<0.15
10) Compressive strength:	Kg/mm ²	8.4

The above performance data is typical data measured in a laboratory environment with a temperature of 25°C and a humidity of 70%. It is for customer reference only

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