



## TECHNICAL INFORMATION

**Shenzhen JinHua**  
Quality & Value

### Epoxy Resin 2120AB-N

#### Feature

Epoxy resin 2120AB-N is a two components epoxy system with low viscosity, good flowing property, natural defoaming, anti-yellow, high transparency, bright in surface, it can be cured at room temperature or high temperature. ..

#### Application

2120AB-N specially designed for all kinds of solar panel coating with its good surface performance and yellow resistance.

#### Properties before Hardening

Part	2120A-N	2120B-N
Color	Transparent	Transparent
Specific gravity	1.15	0.96
Viscosity (25°C)	1200-2500CPS	50-300 CPS
Mixing ratio	A: B = 100:50(weight ratio)	
Hardening conditions	25 °C ×10H to 16H or 55°C ×2H (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	<80
Withstand voltage, KV/mm	22
Flexural strength, Kg/mm <sup>2</sup>	28
Volume resistivity, Ohm <sup>3</sup>	1×10 <sup>15</sup>
Surface resistance, Ohmm <sup>2</sup>	5×10 <sup>15</sup>
Thermal conductivity, W/M.K	0.6
Induced electric loss, 1KHZ	0.42



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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 it up as soon as possible when open. 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.

**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.**