

# Epoxy resin 1609AB-3

## I. Statement of purpose

Epoxy resin **1609AB-3** is epoxy resin wave adhesive cured at room temperature and low temperature conditions, easy to operate, fast curing, wave effect is good, can be cured by heating. Dedicated to blowing waves, surface compounding, electronic product bonding, wood bonding, hard material bonding and mold filling and other electronic parts of the insulation, moisture-proof potting, confidentiality masking and so on.

## II. Pre-sclerotic properties.

	A glue 1609A-3	Curing agent 1609B-3
Color:	black	colorless and transparent
weight:	1.15	1.05
Viscosity 25°C:	<u>8000-12000CPS</u>	<u>5500-8500CPS</u>

## III. Conditions of use

1)mixing ratio:	<u>A: B=100: 100 (weight ratio)</u>
2)hardening condition:	<u>25°C×1H 55°C×5min(2g)</u>
3)usable time:	<u>25°C×10min (100g)</u>

## IV. Methods of use.

1. Working environment: keep the glue container clean, A, B components strictly according to the weight ratio, accurate weighing, clockwise along the inner wall of the container to mix well and stand for 3-5 minutes after use.
2. Depending on the operating time and dosage of the glue, to avoid waste. When the temperature is lower than 15 °C, please preheat the A glue to 30 °C before glue mixing, easy to operate (low temperature A glue will become thicker); after use must be sealed barrel lid, to avoid moisture absorption caused by the product scrap.
3. When the relative humidity is greater than 85%, the surface of the cured material is easy to absorb water in the air, forming a layer of white mist, so when the relative humidity is greater than 85%, it is not suitable for room temperature curing, it is recommended to use the heating curing.

## V. Properties after hardening

1)Hardness:	shore A	<u>≤82</u>
2)Withstanding voltage:	KV/mm	22
3)Bending strength:	Kg/mm <sup>2</sup>	25
4)Volume resistance:	Ohm <sup>3</sup>	1x10 <sup>15</sup>

5) Surface resistance:	<b>Ohmm2</b>	<b>5X10*15</b>
6) Thermal conductivity:	<b>W/M.K</b>	<b>0.56</b>
7) Electro-induced loss:	<b>1KHZ</b>	<b>0.42</b>
8) Heat distortion temperature:	<b>℃</b>	<b>140</b>
9) Water absorption:	<b>%</b>	<b>&lt;0.15</b>
10) Compressive strength:	<b>Kg/mm2</b>	<b>11.4</b>

**The above performance data are typical data measured in a laboratory environment with a temperature of 25℃ and a humidity of 70%, and are for customers' reference only.**