

Epoxy Resin 4010AB

I. Statement of purpose

Epoxy Resin 4010AB is an epoxy resin adhesive cured at room temperature and low temperature, high hardness, can be sanded, high gloss, can be cured at room temperature or heating. Dedicated to paddle board surface coating, belt buckle, bar bar, stone surface coating, LED encapsulation, carbon fiber products coating, polishing jewelry surface coating and mold filling and other electronic parts of the insulation, moisture-proof encapsulation, confidentiality masking and so on.

II. Pre-sclerotic properties.

	A glue4010A	curing agent 4010B
Color:	colorless and transparent	colorless and transparent
weight:	1.15	0.96
Viscosity 25℃:	<u>1200-2500CPS</u>	<u>200CPS</u>

III. Conditions of use

1)mixing ratio:	<u>A: B=100: 25 (weight ratio)</u>
2)hardening condition:	<u>25℃×3H-4H or 55℃×15min(2g)</u>
3)usable time:	<u>25℃×10min</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 ℃, please preheat the A glue to 30 ℃ 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 D	<u>≤90</u>
2)Withstanding voltage:	KV/mm	22
3)Bending strength:	Kg/mm2	28
4)Volume resistance:	Ohm3	1x10*15
5)Surface resistance:	Ohmm2	5X10*15
6)Thermal conductivity:	W/M.K	1.36

7) Electro-inductive loss:	1KHZ	0.42
8) Heat distortion temperature:	℃	80
9) Water absorption:	%	<0.15
10) Compressive strength:	Kg/mm2	8.4

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.