Epoxy resin 5051AB

I. Statement of purpose

Simulation of water 1909AB-X Department of two-component resin **neutral soft glue, high transparency, yellowing resistance, low temperature resistance, good toughness, high transparency, yellowing resistance,** room temperature or temperature solid. Mainly used for **floral fake water, flower arrangement fake water, simulation fake water,** encapsulation or electronic parts of the transparent infusion.

II. Pre-sclerotic properties.

	A glue 5051A	Curing agent 5051B
Color:	colorless and transparent	colorless and transparent
weight:	1.12	0.96
Viscosity 25℃:	**300-800**	**20-50CPS**

III. Conditions of use

1)mixing ratio: **A：B=50：10（weight ratio）**

2)hardening condition: **25℃×8H-24H　55℃×4H(20g)**

3)usable time: **25℃×40min**

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 A**	**≤35**
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-induced 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.