



TECHNICAL INFORMATION

Shenzhen JinHua
Quality & Value

Epoxy Resin 318AB-RTM

Feature

318AB-RTM is a two components transparent Epoxy resin adhesive system, with the feature of low viscosity, natural defoaming, anti-yellow, high transparency, bright in surface, super long pot life, it can be cured at room temperature or elevated temperature. ..

Application

318AB-RTM can be widely used for the coating of carbon fiber products, surfboard coating, covering of the car spare parts and so on.

Properties before Hardening

Part	318A-RTM	318B-RTM
Color	Transparent Blue	Transparent
Specific gravity	1.15	0.96
Viscosity (25℃)	2500-4500CPS	150 MAXCPS
Mixing ratio	A: B = 100:33(weight ratio)	
Hardening conditions	25 ℃ ×12H or 110℃ ×1H (2 g)	
Usable time	25℃ ×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 ℃, please heat A glue to 30 ℃ 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	<90
Withstand voltage, KV/mm	22
Flexural strength, Kg/mm ²	28
Volume resistivity, Ohm ³	1x10 ¹⁵
Surface resistance, Ohm ²	5X10 ¹⁵
Thermal conductivity, W/M.K	1.36



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Induced electric loss, 1KHZ	0.42
Withstand high temperature, °C	80
Moisture absorption, %	<0.15
Compressive strength, Kg/ mm ²	8.4

Caution

- 1, The operating environment should be ventilated 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 up as soon as possible when opened. 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.