



## Epoxy resin adhesive E-500

### One, characteristic:

Medium viscosity, high strength, single liquid type; the hardening process of thixotropy better, small expansion coefficient, bonding strength and mechanical strength outstanding; electrical performance is good, and that temperature changes and flexing tear stripping should be force of inductor less affected.

### Two, the scope of application:

Metal coil and electronic parts bonding.

### Three, the typical characteristics:

Project	Conditions	Units	Data
color			black
viscosity (40℃)		mpa.s	6000-9000
preservation period	0-10℃	month	2
specific gravity	25℃	g/ml	1.45±0.1
curing conditions	115-120℃	hours	1.5
Hardness	25℃	Shore D	80-90
bending strength	25℃	kg/cm <sup>2</sup>	16-18
High voltage	25℃	Kv/mm	18-21
surface resistance	25℃	ohm	1.5×10 <sup>13</sup>
volume resistance	25℃	Ohm-cm	2.0×10 <sup>14</sup>
thermal deformation temperature		℃	155-165
Water absorption rate	25℃×24H	%	<0.1
Resistance to soldering	430℃Tin liquid	Seconds	3-5

Note: The above data is provided by Suzhou EATTO Company. All data and data are for reference. Users should be responsible for judging their availability according to the application requirements.

### Four, attention to the use of:

1, E-500 is one component epoxy resin adhesive, is the use of latent curing agent prepared.

2, epoxy resin should be stored in dry and ventilated place, when the tide time crystallization.



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3, winter outdoor temperature is low, the glue of high viscosity, shall be placed in the 30-40 environment temperature preheating within 25 minutes, so that the smooth operation.

4, the single best glue baking temperature between 110-125 °C, baking temperature is below 105 °C colloid is difficult to cure, easy to have a bubble is higher than 135 °C.

### **Five, storage note:**

The preservation conditions of epoxy resin adhesive is mainly based on the outdoor temperature, the transport temperature, decisions and storage temperature a few conditions.

As the winter outdoor temperature 5 °C production products, preserved in 0-10 °C, save for a period of 2 months.

As in summer 25 degrees below 10 °C above the production of outdoor environment temperature products, typically less than 10 °C retention period of 2 months. Can be directly stored in ventilated and dry place, need not be stored in the refrigerator.

If the temperature above 25 °C, 40 °C outdoor temperature products, because the raw materials affected by high temperature, the temperature and the influence of production, must be stored in the refrigerator for 5 °C above 10 °C preservation, and preservation of the longest cannot exceed a month. (summer must first in first out, although the products stored in the refrigerator)

If in the summer of 35 °C or above production outdoor environment temperature epoxy without low temperature treatment, only for 15 days.

In addition to epoxy resin glue can not be in the outdoor temperature is below 25 °C long time stored in the refrigerator under 0 °C, it will produce the crystalline state with low temperature and damp easily. The summer should pay attention to when stored in the refrigerator seal.

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