



**FUKKOL**

**Nourishment for**  
**Your Machines**

# TECHNICAL DATA SHEET



## 5 MINUTES EPOXY ADHESIVE

### Brief introduction:

5 minute epoxy resin glue is a double component epoxy resin adhesive. It has high transparency, perfect no scar after curing, no heating, constant temperature curing, non-toxic environmental protection, high adhesive strength, good toughness, oil resistance and water resistance, and so on. The curing material has good insulation, compression resistance, low shrinkage rate and so on. And physical properties. It is widely used in the manufacture and repair of all kinds of high-end ceramics, glass, metal digital technology and other products.

### Purpose:

1. Is suitable for the manufacture and repair of all kinds of high-grade ceramics, glass, metal, crystal, jade, jewel, granite, lighting, instrument, handicraft, sporting goods, leisure and entertainment equipment, furniture, decoration, digital technology and so on.
2. Is suitable for the bonding and fixing of electronic components and crafts and gifts, and has excellent bonding strength for the bonding between metal, ceramics, wood, glass and hard plastic.
3. Is not suitable for bonding of elastic or soft material products.

### Advantage:

1. Many advantages such as high bonding strength, good toughness, oil resistance, water resistance, acid and alkali resistance, moisture-proof and dustproof properties.
2. Can withstand high and low temperature, moisture and heat and atmospheric aging;
3. The cured product has good electrical and physical properties such as good insulation, compression resistance, low shrinkage.

### Usage method:

Steps: \* clean the water, dust, oil stains, rust stains and other stains on the surface of the sticky materials, keep them clean, clean and smooth.

\* When used, the A and B groups are mixed and evenly mixed on the surface of the adhesive on the surface of the adhesive. When the adhesive is applied to the surface of the adhesive, it is possible to make a rotation anastomosis when glued. 5-7 minutes of glue is first fixed, the strength can be



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reached for 1 hours, and the best strength is reached in 24 hours. A large amount of mixed glue can be used at -60 C to +100 C.

### Typical physical properties:

Product model	lens color	Viscosity (25°C/CP S)	Sizing ratio	Operable time (25°C)	Curing time (25°C)	Shear strength (steel / steel) kg/mm <sup>2</sup>	Tensile strength (steel / steel) kg/mm <sup>2</sup>	Compressive strength kg/mm <sup>2</sup>
5 minutes of AB gum	A Water clear	A 7000±500	1:1	Less than 5 minutes	5-7 minutes	≥13	≥22	≥50
5 minutes of AB gum	B Water clear	B 7000±500			Completely solidified or 24 hours			

### Properties of solidified material:

Coefficient of thermal expansion	@ 25° C, /° C 140 x 10 <sup>-6</sup>		
Hardness D	80		
Water absorption	24 hrs @ 25° C, % 1.0		
Electrical properties	Constant		Reduce
	@ 10 kHz	3.9	0.03
	@ 1 MHz	3.5	0.04
	@ 10 MHz	3.3	0.05
Volume resistivity	ΩM 0.8 x 10 <sup>14</sup>		
Surface resistivity	Ω 2.0 x 10 <sup>14</sup>		
Dielectric strength	kV/mm 18		

### Matters needing attention:

1. Keep ventilation in the workplace to avoid child contact.
2. Please wear gloves when operating. If you touch your skin or eyes, rinse or seek medical advice immediately.
3. Do not use two glue mixture when not in use, do not use the cap to cover the wrong.
4. Only by ensuring the correct mixing ratio can we obtain the ideal mechanical and chemical properties, otherwise it will lead to undesirable curing effect.
5. Proper heating in winter can accelerate curing speed and improve bonding strength.
6. The amount of glue should not be excessive, and the construction should be completed within the working hours. The more the amount of glue is adjusted, the higher the temperature is, the shorter the time to use.
7. Glue appears too sticky or gel, please stop using.
8. Store in a cool, dry, ventilated place and away from high temperature.

When



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9. Users are used in batch, please do the test first. Avoid the effect of adhesion because of improper operation.