



## Short Description

**B-711** adhesive is a modified cyanoacrylate type room temperature curing high temperature resistant patch adhesive, which has the characteristics of temperature resistance, fast curing speed, strong bonding strength, small creep and hysteresis, wide range of bonding materials, and easy use. It is suitable for products that do not have temperature curing but require testing under certain temperature conditions.

## Application Scope

**B-711** adhesive is used for gluing other series of resistance strain gauges, compensation resistors and terminal blocks of our company except TJ series underwater resistance strain gauges, and is used for stress analysis with higher accuracy and longer test cycle.

## Technical Specifications B-711



Viscosity	mPa s	2 ~ 3.5
Bottle Content (per component)	g	2
Curing Time		± 24 hours @ 20~25°C
Operating Temperature	°C	-30 to +120
Storage Life Single Component	Months / °C	6 / +10 ~ +30 or 10 / -10 ~ +10
Storage Life after Mixing	Days / °C	7~10 / +20 ~ +25

## How To Use

- 1) Before using the glue, take it out of the refrigerator 1 to 2 hours in advance. After the glue temperature is balanced with the external use temperature, wipe off the condensed water on the surface of the packaging bottle first, and then open the bottle cap and stopper.
- 2) Treat the surface of the specimen to be laminated and clean it with a cleaning solvent to ensure that the surface to be laminated is clean, dry, and free of oil or grease.
- 3) Use the positioning tool to locate the test point. Prepare the polytetrafluoroethylene film, special glue pen, special tweezers and the resistance strain gauge to be laminated.
- 4) Apply a thin layer of **B-711** glue on the part of the specimen to be laminated. The amount of glue applied is about 4 to 6 mg/cm<sup>2</sup> (one drop is about 20 mg), and the bonding strength is the best.
- 5) Use special tweezers to stick the resistance strain gauge on the test point, cover it with polytetrafluoroethylene film, and squeeze out bubbles and excess glue with your fingers along the axis of the resistance strain gauge.
- 6) Keep the pressure of your fingers for 1 minute and then cure naturally. The maximum bonding strength will be reached after 24 hours.
- 7) Curing temperature: 3 to 5 seconds for initial curing; 24 hours for complete curing. It can be tested.
- 8) **B-711** adhesive is recommended to be used in an environment with a relative humidity of less than 65%.

## Precautions

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1. This product adheres quickly, so prevent skin and clothing from being adhered during operation.
2. This product is weakly lachrymatory, so please pay attention to ventilation when using it.
3. Be careful during use to prevent the glue from splashing into the eyes and skin. If the glue is accidentally splashed on the skin, it must be washed immediately with warm soapy water; if it is accidentally splashed into the eyes, please rinse immediately with plenty of water and seek medical attention if necessary.
4. During use, the glue bottle should be kept away from heat sources; after use, the bottle cap should be tightened to avoid rapid evaporation of the solvent and affect the second use.
5. The glue is transported at room temperature. The process of regular transportation (time: within 7 days, temperature:  $-30^{\circ}\text{C} \sim 50^{\circ}\text{C}$ ) will not cause changes in the performance of the glue.