



# YDF-8001 LED High Power Conductive Glue

## 【Product description】

YDF-8001 is our self-invented LED high power glue composed of high performance resin and highly conductive silver powder. Suitable for LCD, LED, IC chip, piezoelectric crystal components seal and glue, can also be used on metal metal bonding, can replace traditional welding

## 【Product feature】

- ❖ Heat resistance up to 260 °C
- ❖ Fast curing speed
- ❖ Low viscosity, good dispensing, no tailing and drawing effect
- ❖ Good adhesion

## 【Product feature】

- ❖ Appearance: Silver white
- ❖ Conductive medium: Ultra fine silver particle
- ❖ Binder: Special polymer
- ❖ Solid content: 95±1% (wt%)
- ❖ Viscosity: 95-150 dPa·s (Rion VT-04F viscometer, 2# spindle 1min/ 25 °C)
- ❖ Solution coef.: 5
- ❖ Resistance:  $\leq 0.6 \times 10^{-4} \Omega \cdot \text{cm}$
- ❖ Heat conductive coef.: 25w/mk

## 【Curing process】

Stable temp. curing	Time
140 °C	150 min
150 °C	90-120 min
160 °C	60 min



### 【De froze time】

Quantity	Condition	Time from -40 °C to 25 °C	Time from -20 °C to 25 °C
	10g (syringe)		1.5 h
20g (syringe)		2 h	1.5 h
50g (bottle)		2.5 h	2 h

### 【Precaution】

After de frozen the glue should be transferred to the gluing equipment as soon as possible, avoid excess air and bubbles. Decrease the time exposing to air to avoid contaminants from entering the can. The glue should be stored in -40 °C fridge immediately after use to avoid performance change

### 【Cleaning】

Please use alcohol or pyruvic acid solvent for cleaning

### 【Storage】

YDF-8001 should be used within 6 months after production. It can be stored for 6 months in -40 °C environment or 3 months in -20 °C environment

### 【Storage】

10g/syringe: 20g/syringe: 30g/syringe: 50g/syringe or according to customer's need

### 【Disclaimer】

This specification is in accordance with the actual production and test results, whether the product could meet your process requirements depends on application conditions and printed material. We recommend the users to assess if the product can meet all their requirements before production. Since we cannot predict or control your printing condition, the product performance cannot be guaranteed all sales are subjected to the standard terms and conditions of the sales control division.