



YDF-7001 LED Seal Glue

【Product description】

YDF-7001 is our self-invented LED seal glue composed of high performance resin and insulates material. Suitable for digital tube, LED blue light, white light and green light solid chip, paster, semiconductor and light optics components seal and packaging

【Product feature】

- ❖ Heat resistance up to 260 °C
- ❖ Fast curing speed
- ❖ Low viscosity, good dispensing, no tailing and drawing effect
- ❖ Good adhesion
- ❖ Good weathering, low light fading, high transparency, good yellowing resistance

【Product feature】

- ❖ Appearance: Half transparent, slight milky white
- ❖ Binder: Special polymer
- ❖ Solid content: 100±1% (wt%)
- ❖ Viscosity: 40-60 dPa*s (Rion VT-04F viscometer, 2# spindle 1min/ 25 °C)
- ❖ Solution coef.: 5
- ❖ Binding strength: above 2000psi (binding strength test)
- ❖ Elongation coef.: 7.1GPa DMA, 1Hz, -0.5mm thick sample (25 °C)
435MPa DMA, 1Hz, -0.5mm thick sample (225 °C)
- ❖ Linear heat expansion coef. (<TG): 42ppm/ °C TMA
- ❖ Linear heat expansion coef. (>TG): 142ppm/ °C TMA
- ❖ Glass transition temp.: 180 °C DMA, inflection
- ❖ Decomposing temp.: 380 °C (DSC 10K/min)
- ❖ RI: 1.62 (Smallest angle)
- ❖ Hardness: 86 (Shaw)



【Curing process】

150 °C 90-120 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-7001 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.