

## Shenzhen Jianghe New Materials Technology Co.,Ltd

## Technical Data Sheet (TDS)

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**Doc No.:** PUR-1121-27N3-TDS-001

**Issue Date:** 2023-05-25

**Revision:** 1.0

### 1121-27N3

#### Product Description

**UV-Curing Single-Component UV Resin:** This adhesive is suitable for a variety of applications including clear transparent resin casting, crystal crafts, dried flower preservation, shrink film sealing, and cloisonné wire inlay encapsulation.

**Performance Features:** Low shrinkage, fast surface drying, high transparency, high strength, low odor, yellowing resistance, and rapid curing.

#### Product Characteristics

**Model:** 1121-27N3

**Base Material:** Modified Acrylate

**Curing Time:** 240s  $\pm$  20s (Duration depends on material transparency and UV intensity)

**Note:** Higher material transparency and stronger UV curing equipment shorten the curing time.

**Tensile Strength:**  $\geq$  20 MPa

**Hardness After Curing:** 85 Shore D

**Viscosity:** 1900  $\pm$  300 mPa·s

1121-27N3	6W, 6 LEDs	4cm $\times$ 3cm $\times$ 1.5cm thick	120s (front), 120s (back)	Surface dries after cooling
	24W, 20 LEDs		90s (front), 90s (back)	
	72W, 36 LEDs		60s (front), 60s (back)	

**Note:** During operation, pour the product into the mold away from direct sunlight. Allow it to sit for bubble release before UV lamp exposure. For molds with a thickness exceeding 2– 3 mm, it is recommended to use a UV lamp with a curved design to ensure side illumination. Higher power with shorter exposure time is preferred for achieving a smoother product surface.

### Why Choose Us:

1. High performance and stability - no self-curing issues, excellent yellowing resistance (compared to products with similar curing speed).
2. Easy and clean operation.
3. Aesthetic application without visible traces, suitable for transparent materials.
4. Wide range of bonding applications: various materials (e.g., glass decorations, glass coffee tables, crystal crafts, crystal chandeliers, crystal trophies, crystal lettering).

### Friendly Tips:

- ①. Store in a cool, dry place, sealed and out of reach of children.
- ②. Before full application, conduct a small test to master the usage technique and avoid errors.
- ③. Bonding surfaces must be kept clean, dry, and free of moisture, dirt, oil, rust, etc.
- ④. The adhesive may have a slight odor before curing. It is recommended to wear a mask and ensure ventilation during operation. The odor will dissipate in a ventilated environment after curing.

**Note:** The above performance data are typical values obtained under laboratory conditions at 25°C and 70% relative humidity, and are provided for customer reference only.