Shenzhen Jianghe New Materials Technology Co.,Ltd

Technical Data Sheet (TDS)

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1121-P12

Product Description

Model 1121-P12 is a UV-curing, single-component, colorless transparent adhesive, suitable for applications such as model making, clear resin casting, DIY crafts, and other transparent or semi-transparent scenarios.

Performance Features: Low cost, low viscosity, low shrinkage, and rapid curing.

Product Characteristics

Base Material: Modified Acrylate

Property	Specification/Value
Appearance/Color	Light blue transparent liquid
Composition	Single-component
Viscosity @25°C	1000 ~ 1600
Specific Gravity @25°C	1.13 ~ 1.23
Curing Time (395 nm)	6W Lamp: 3 min/side 72W Lamp: 2 min/side
Curing Method	Ultraviolet
Hardness (Shore D)	85±3
Tensile Strength	≥20
Recommended Curing Wavelength	365 ~ 405
Storage Conditions	5–25°C, sealed, protected from light
Shelf Life	12 months

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

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.