

## L-8452 3D Printing UV Resin

### Description

**L-8452** is a special modified UV acrylic resin with good flexibility, hardness, rigidity, high strength, good interlayer adhesion, high transparency, high gloss, and low melting point. Mainly used in 3D printing molding, with high dimensional precision and good repeatability. Low viscosity and permeability make it easy to remove air bubbles during gluing and is also suitable for large-area bonding; there is almost no residue after burning. It is an environmentally friendly functional product.

### Technical Data

Appearance	Light green liquid
Viscosity (25°C, CPS)	15,000 - 25,000
UV Content (%)	100
Density (25 °C, g/cm <sup>3</sup> )	1.1 ± 0.1
Acid Value (mg KOH/g)	4 - 6
Refractive Index	1.529
Shore Hardness	87D
Tensile Strength (MPa)(ASTM D882)	4.6
Elongation at Break (%)(ASTM D882)	1
Functional Group	2

### Product Features

Almost no residue after burning, fast curing speed and high hardness

Good drying, recoatable, low shrinkage, good adhesion

Good chemical resistance, good yellowing resistance, good wettability

### Applications

3D printing UV ink; 3D printing molding, etc.

### Storage Conditions

To prevent premature polymerization due to the high reactivity of this product, keep it tightly sealed and store away from heat sources and direct sunlight. It is recommended to maintain storage temperature below 30 °C. Unused product should be promptly resealed and must not be left open. Under ventilated conditions at 25 °C, the product has a safe storage period of 6 months. Available packaging: 20 kg / 25kg / 200 kg per drum

### Tips: L-8452 features very low residue after combustion, which is one of its key

Note: Technical data represents typical values only. In view of the differences in formulas, production process, conditions, all the above statements must be adjusted according to the actual situation, our company does not make any promises. Our company reserves the right to reform its products without prior notice of any changes.