

L-8450 3D Printing UV Resin

Description

L-8450 is a special modified polyurethane acrylic UV 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. It has low viscosity and high permeability, which makes it easy to eliminate air bubbles during gluing. It is also suitable for large-area bonding. It is an environmentally friendly functional product.

Technical Data

Appearance	Transparent liquid
Viscosity (25°C, CPS)	500 - 800
UV Content (%)	100
Density (25°C, g/cm³)	1.1 ± 0.05
Acid Value (mg KOH/g)	≤ 2
Refractive Index	1.492
Shore Hardness	68A
Tensile Strength (MPa)(ASTM D882)	0.65
Elongation at Break %)(ASTM D882)	4.5
Functional Group	2.5

Product Features

Good molding ability, suitable for LCD 405nm light source,
Fast curing, good drying, exposure time is about 2.5 seconds
Good color addition
Resistant to boiling and blistering

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-8450 has low viscosity, low odor, exposure time of about 2.5 seconds, fast response, and rigid resin.

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.