

L-8455 High Strength UV Resin for 3D Printing

Description

L-8455 is a special modified polyurethane resin with good hardness and toughness, good scratch resistance, good moldability, good detail display, good inter-layer adhesion and fast response.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	300 - 500
UV Content (%)	100
Density (25°C,g/cm³)	1.02 ± 0.05
Acid Value (mg KOH/g)	≤ 2
Refractive Index	1.487
Shore Hardness	75D
Tensile Strength (MPa)(ASTM D882)	4.3
Elongation at Break (%) (ASTM D882)	1
Functional Group	4

Product Features

Good hardness, toughness and scratch resistance

Low shrinkage, high strength, good yellowing resistance

Good adhesion between layers, good moldability, and good detail display

Good pigment wetting.

Applications

3D printing of dental molds; 3D printing of various animation toys; 3D printing of various rigid items; UV inkjet

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: 25kg / 200 kg per drum

Tips: L-8455 is specially used for 3D printing of dental molds, 3D printing of various animation toys, and 3D printing of various rigid items.

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.