

L-8443 UV Resin for Nail Gel Top Coat

Description

L-8443 is a specially modified aliphatic polyurethane acrylate resin with low-energy curing characteristics. It features fast reactivity, low yellowing, high hardness, excellent toughness, strong scratch resistance, and outstanding aging durability. With superior interlayer adhesion, L-8443 is mainly used in UV nail gel top coats and UV coating applications, providing a smooth, glossy, and long-lasting surface finish.

Technical data

Appearance	Colorless liquid
Viscosity (60°C, CPS)	7000 - 15000
Color Value (Gardner)	≤ 1
UV Content (%)	100
Density (25°C, g/cm³)	1.1 ± 0.2
Acid Value (mg KOH/g)	≤ 1
Refractive Index	1.501
Shore Hardness	80D
Tensile Strength (MPa)(ASTM D882)	10.6
Elongation at Break (%) (ASTM D882)	5.5
Functional Group	3

Product Features

Fast curing reactivity
Low shrinkage and low exothermic reaction during curing
High hardness and excellent scratch resistance
Good toughness

Applications

It is widely used in 3C electronic coatings, crystal drop adhesives (epoxy doming), SPC flooring, adhesives, UV 3D printing, UV nail gel color coats, and UV nail gel top coats, among other applications.

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 / 200 kg per drum

Tips: L-8443 is a low-energy curing resin designed for UV nail gel top coats.

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.