

L-6231 Solid Gel UV Polyurethane

Description

L-6231 is a specially modified UV polyurethane, featuring good flexibility, high tensile strength, and excellent adhesion to various substrates. The resin is a transparent, viscous material at room temperature, non-sticky to the touch. It is recommended for applications such as structural adhesives, UV bonding adhesives, UV curing adhesives, nail base gels, nail bonding gels, nail extension gels, and heat-applied UV coatings.

Technical Data

Appearance	Viscous liquid
Viscosity (60°C, CPS)	100,000-200,000
Density (g/cm ³ , 25°C)	1.1±0.1
UV Content (%)	100
Acid Value (mg)	≤2
Refractive Index	1.46
Shore Hardness	48A
Tensile Strength (MPa)(ASTM D882)	1.93
Elongation at Break (%) (ASTM D882)	470
Functional Group	2

Product Features

Excellent flexibility
Excellent adhesion to various substrates
Solidifies at low temperatures and is non-sticky at room temperature
High tensile strength and good weather resistance

Applications

Various UV adhesives; UV adhesives for electronic components; UV structural adhesives; UV positioning adhesive; nail polish primers, 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 / 200 kg drums.

Tips:L-6231 features low odor, excellent non-yellowing properties, and good shaping/positioning performance.

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.