

L-6106A Vinyl Adhesion Monomer

Description

L-6106 is a specially modified aliphatic UV polyurethane resin featuring low odor, no irritation, low viscosity, fast curing speed, excellent chemical resistance, good wetting properties, and low volatility. It exhibits strong adhesion to a wide range of substrates, making it ideal for UV system products with high environmental requirements.

Technical Data

Appearance	Colorless or light yellow transparent liquid
Viscosity (25°C, CPS)	8 - 15
Color Number (APHA)	≤ 100
UV Content (%)	100
Density (25°C, g/cm³)	1.1 ± 0.1
Refractive Index (nD at 25°C)	1.51
Boiling Point (°C, normal pressure)	128°C 21 mm Hg(lit.)
Functional Group	1

Product Features

Extremely low viscosity with strong dilution capability, making it ideal for UV inkjet systems requiring low viscosity

Good balance of flexibility and hardness, with excellent adhesion to difficult-to-bond plastic substrates such as PET/PE and PMMA

Fast UV curing speed, enabling better performance balance in 3D printing applications

Remains a low-viscosity liquid even at temperatures down to 0°C, with no crystallization or precipitation

Applications

Applicable in UV adhesives, 3D UV printing resins, UV nail coatings, UV inks, UV coatings, and other UV-curable systems

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: 25 kg / 200 kg per drum

Tips: L-6106 features ultra-low viscosity and strong dilution capability, making it ideal for UV inkjet applications, with excellent adhesion to special substrates such as glass, PET, and metals