

L-61010 Liquid NVC (N-vinyl Caprolactam)

CAS#2235-00-9

Description

L-61010 It is a modified vinyl monomer suitable for light curing reaction. It features extremely low viscosity, strong dilution capability, and an excellent balance of hardness and flexibility. It exhibits outstanding adhesion to most plastics and metals. Suitable for UV polymerization in coatings, UV inkjet inks, UV inks, UV adhesives, and other unsaturated systems.

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	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

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

Applications

UV adhesives; 3D UV printing resins; UV nail polishes; UV inks; UV coatings; 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: 25 kg / 200 kg per drum

Tips: : L-61010 is a liquid NVC monomer, highly suitable for UV inkjet applications. It features low viscosity, fast curing speed, and excellent adhesion to special substrates such as glass, PET, and metals.

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.