Lencolo®
蓝柯路

TDS

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L-6101 (DCPA) Dicyclopentadiene Acrylate

CAS#65983-31-5

Description

L-6101 is a special modified UV monomer featuring ultra-low viscosity, high elasticity, fast curing speed, excellent chemical resistance, good wetting properties, low volatility, and low irritation. It exhibits strong adhesion to various substrates, making it ideal for adjusting flexibility, adhesion, and viscosity in highly flexible UV systems.

Technical Data

Appearance	Colorless or yellowish transparent liquid
Viscosity (25ºC, CPS)	8 - 15
Color Number (APHA)	≤ 100
UV Content (%)	100
Density (25ºC, g/cm³)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 2
Functional Group	1

Product Features

Ultra-low viscosity, low volatility, low irritation, and minimal odor
Excellent toughness, impact resistance, foldability
Excellent water resistance, thermal stability, chemical resistance, and wetting properties
Exceptional adhesion, particularly to difficult-to-bond substrates such as PET/PE and PMMA

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-6101 has low viscosity, low odor, fast curing speed, good adhesion to special substrates such as PMMA, PET, PE, PP, etc. It is ideal for enhancing adhesion in adhesive formulations