

L-61054 (BPA3EODA) Ethoxylated Bisphenol A Diacrylate

CAS#: 66401-02-1

Molecular Structure: C₂₅H₂₈O₆

Molecule Weight (g/mol): 468

Description

L-61054 is a 2-functional ethoxy esterified bisphenol A photocurable monomer that enhances the cured coating's hardness while maintaining good flexibility. Owing to its bisphenol A structure, it also exhibits a high refractive index, enabling formulations to achieve superior gloss and optical transparency.

Technical data

Appearance	Transparent liquid
Color Number (APHA)	≤ 100
Viscosity (25°C, CPS)	1,300 - 1,800
Water (%)	≤ 0.1
Polymerization Inhibitor (ppm)	200 - 400
Refractive Index	1.566
Surface Tension (Dynes/cm, 20°C)	42
Tg (°C)	67
Acid Value (mgKOH)	≤ 0.5
Functional Group	2

Performance

Low odor, low volatility, low skin irritation

High hardness, high refractive index, high chemical resistance

Applications

Widely used in the photocuring polymerization of various unsaturated systems such as UV coatings, UV 3D printing inks, UV screen printing varnishes, UV adhesives, UV solder mask inks, UV inkjet, UV nail polish, etc.

Storage

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-61054 can reduce system shrinkage and increase coating properties such as heat resistance and cigarette butt burn resistance.

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.