

**L-61046 (DCPDA) Tricyclodecane Dimethanol Diacrylate**

CAS#: 42594-17-2

Molecular Structure: C18H24O4

Molecule Weight (g/mol): 325

**Description**

**L-61046** 2-functional photo-curing special monomer. It has very low film-forming shrinkage, even lower than that of the conventional monofunctional monomer IBOA; adding it to the formula can effectively reduce wrinkling, cracking, insufficient adhesion and other phenomena caused by the large shrinkage of the coating.

**Technical Data**

Appearance	Transparent liquid
Color Number (APHA)	≤ 150
Viscosity (25°C, CPS)	120 - 150
Water (%)	≤ 0.1
Polymerization Inhibitor (ppm)	600 - 800
Refractive Index	1.496
Surface Tension Dynes/cm,20°C	37.6
Tg (°C)	120
Acid Value (mgKOH)	≤ 1
Functional Group	2

**Product Features**

A specialty monomer for bonding PET, PC, PE, and PMMA, offering excellent film toughness and impact resistance without cracking upon bending. Features low-shrinkage, fast curing, strong substrate adhesion, good electrical properties, and resistance to yellowing, chemicals, heat, and water.

**Applications**

It is widely used in the photocuring polymerization reaction of various unsaturated systems such as UV coatings, UV 3D printing inks, UV screen printing inks, UV adhesives, UV glue, UV inkjet, 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-61046 High-Tg monomer, enhances coating heat resistance, chemical resistance, and abrasion resistance for high-performance applications.**

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.