

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

CAS#: 42594-17-2

**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

**Performance**

The film has good toughness, impact resistance, and will not crack when folded in half;  
Low shrinkage, fast curing speed, and good adhesion to the substrate;  
Good electrical properties, good resistance to yellowing, chemical resistance, heat resistance and water resistance;  
Special monomer for PET/PC/PE/PMMA bonding.

**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**

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Recommended storage temperature is not higher than 30°C. Unused products must be sealed and stored in a timely manner and cannot be stored in the open. Safe storage time is 6 months at room temperature( 25°C) and under ventilation. 25KG/200KG/barrel.

**Tips:L-61046 has a higher TG point, which can increase the temperature resistance, chemical resistance and wear resistance of the coating.**

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.