L-61058 (HDDMA) 1,6-Hexanediol dimethacrylate

CAS#: 6606-59-3 C14H22O4

Molecular weight (g/mol): 254.32

Description

L-61058 HDDMA is a low viscosity, solubility, strong diluent with two acrylic groups participating in the reaction, usually used as a component of ultraviolet (UV) and electron beam (EB) curable coatings and inks. HDDMA with methyl groups is particularly suitable for UV polymerization of various unsaturated systems that require improved weather resistance and adhesion as well as high water resistance: UV coatings, UV inks, UV adhesives.

Technical data

Appearance	Transparent liquid
Color Value（APHA）	≤50
Acid value (mg KOH/g)	≤0.5
Viscosity (25°C, CPS)	6--12
Moisture %	≤0.2
Inhibitor (ppm)	≤200
Refractive Index	1.455
Surface tension Dynes/cm,20°C	34.3
Glass transition temperature Tg,℃	35
Functional Group	2

Performance

Low shrinkage, good adhesion
Good heat resistance, high weather resistance
With methyl group, good water resistance
Very low volatility, low odor, slight ester fragrance

Applications

UV adhesives, UV inkjet, UV inks, UV coatings, UV wood coatings, etc.

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Storage

To prevent the product from being highly active and causing a polymerizing reaction, please seal it and store it away from heat sources and sunlight. The recommended storage temperature is no higher than 30°C. Unused products must be sealed and stored in a timely manner. Do not store them in the open. At 25°C and with ventilation, the safe storage period is 6 months.

Tips: L-61058 has a swelling and biting effect on the surface of polar substrates (ABS, PC, PET, PVC, etc.) and has excellent adhesion.