

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)	≤ 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,°C	35
Functional Group	2

Product Features

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.

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-61058 has a swelling and etching effect on the surfaces of polar substrates (such as ABS, PC, PET, PVC), providing excellent adhesion.