

L-61059 (EO2HDDA) 2 (ethoxylated) 1,6-hexanediol diacrylate

CAS#: 84170-27-4

Molecular weight (g/mol): 314

Description

L-61058 EO2HDDA is a difunctional ethoxylated 1,6-hexanediol diacrylate monomer that reduces skin irritation and improves flexibility. It has low viscosity, strong diluting ability, and exhibits a swelling effect on plastic substrates, effectively enhancing and promoting adhesion to plastics. It is suitable for various unsaturated UV-curable systems, including UV coatings, UV inks, and UV adhesives.

Technical Data

Appearance	Transparent liquid
Color Value (APHA)	≤ 50
Acid Value (mg)	≤ 0.5
Viscosity (25°C, CPS)	12-20
Moisture (%)	≤ 0.2
Inhibitor (ppm)	≤ 200
Refractive Index	1.459
Surface Tension Dynes/cm, 20°C	37
Glass Transition Temperature Tg, °C	32
Functional Group	2

Product Features

Low shrinkage, good flexibility
High reactivity, fast curing speed
Low viscosity, strong dilution ability
Extremely low volatility, low skin irritation

Applications

UV adhesives; UV inkjet; UV inks; UV coatings; UV wood coatings; UV flexographic printing; UV overprint varnishes, 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-61059 EO2HDDA has better water solubility, improving compatibility in UV waterborne coatings, enhancing coating leveling, and reducing insoluble pinhole formation.

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.