

Lencolo 5037 Photoinitiator EHA

CAS#: 21245-02-3

Description

Lencolo 5037 is a high-efficiency UV curing amine synergist, mainly used as UV Initiator for photocuring reactions. For example, it is used as an initiator for radiation curing in products such as UV-curable coatings and UV-curable inks. Such products mainly include: UV-cured floor coatings, plastic coatings, optical fiber coatings, CD coatings, light-curing solder resist inks for circuit boards, and light-curing marking inks. In addition, it is also widely used in light-cured paper glazing coatings.

Technical data

Molecular formula	C17H27O2N
Molecule weight(g/mol)	277.4
Ingredients	2-ethylhexyl 4-(dimethylamino)benzoate
Appearance	Light yellow liquid
Melting point(°C)	48-54
Purity (%)	≥99
Volatile content(%)	≤0.5
Ash content(%)	≤0.1
Absorption peak(nm)	310

Applications

It is suitable for UV-cured floor coatings, plastic coatings, optical fiber coatings, CD coatings, light-curing solder resist inks for circuit boards, and light-curing marking inks. In addition, it is also widely used in light-cured paper glazing coatings.

Usage

Solubility (20°C, g/100g)

Solvent or monomer: Acetone Toluene Ethyl Ester HDDA TMPTA TPGDA

Solubility : ≥50 ≥50 ≥50 ≥50 40 43

Addition amount: Film thickness 5-20mm 2-4%, Film thickness 2-200mm 2-6%

It is recommended that users conduct experiments to determine the optimal addition amount before use.

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. 20KG/bag

Tips:Lencolo 5037 Liquid, high-efficiency initiator, mainly used in the field of light-curable inks.

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.