

Lencolo 5038 (EMK) Photoinitiator

CAS#: 90-93-7

Description

Lencolo 5038 is a new high-efficiency photoinitiator, mainly suitable for UV curing system of acrylic monomers and oligomers. It is mainly used in UV systems such as offset printing, flexo printing, silk screen printing, adhesives, and electronic circuit board inks. This product has a synergistic effect with active amine initiators.

Technical data

Molecular formula	C21H28N2O
Molecule weight(g/mol)	324.5
Ingredients	4,4'-Bis(diethylamino) benzophenone
Appearance	Light yellow crystals
Melting point(°C)	93-95
Purity (%)	≥99
Volatile content(%)	≤0.5
Ash content(%)	≤0.1
Absorption peak(nm)	248、 374

Applications

Mainly suitable for UV curing system of acrylic monomers and oligomers. It is mainly used in UV systems such as offset printing, flexo printing, silk screen printing, adhesives, and electronic circuit board inks. This product has a synergistic effect with active amine initiators.

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 5038 Synergistic with reactive amine initiators.

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.