

Lencolo 5006 Universal Photoinitiator 184

CAS#: 947-19-3

Description

Lencolo 5006 It is a commonly used photoinitiator, which can be used in the following polymerization reactions, unsaturated prepolymers, such as: acrylate, with multifunctional vinyl monomers.

Technical data

Molecular formula	C13H16O2
Molecule weight(g/mol)	204.3
Ingredients	1-hydroxy-cyclohexyl-1phenylmethanone
Appearance	White crystal powder
Melting point(°C)	44-48
Purity (%)	≥99
Volatile content(%)	≤0.5
Ash content(%)	≤0.1
Absorption peak(nm)	244,280,330

Applications

Suitable for light-curing varnish systems, such as plastic and metal finish varnishes, white wood varnishes,
white paper varnish, co-initiator for UV printing ink, can also be used together with other 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 1-3%

Users are advised to determine the optimum dosage by experiment 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 5006 is one of the most commonly used initiators, with good yellowing resistance and good surface drying.

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.