

Lencolo 5006 Versatile Photoinitiator 184

CAS#: 947-19-3

Description

Lencolo 5006 A versatile, high-efficiency, low-yellowing photoinitiator. It is suitable for polymerization of unsaturated prepolymers such as acrylates, in combination with mono- or multifunctional vinyl monomers.

Technical Data

Molecular Formula	C ₁₃ H ₁₆ O ₂
Molecule Weight (g/mol)	204.3
Compostition	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 topcoat varnishes, white wood varnishes, white paper varnishes.

It can also be used as an auxiliary photoinitiator in UV printing inks.

It may be used together with other photoinitiators, and when required, can be combined with UV absorbers.

Recommended Usage

Solubility (20 °C, g/100g)

Solvent or monomer	Acetone	Toluene	Ethyl ester	HDDA	TMPTA	TPGDA
Sohbility :	≥50	≥50	≥50	≥50	40	43

Addition amount: 2~4% for film thickness 5~20mm; 1~3% for film thickness 2~200mm

It is recommended that users determine the optimal dosage through preliminary testing before use.

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: 20 kg per bag.

Tips: Lencolo 5006 is one of the most commonly used photoinitiators, featuring good anti-yellowing performance and good surface cure.

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.