

Lencolo 5005 Surface-drying Photoinitiator BP

CAS#119-61-9

Description

Lencolo 5005 It is a commonly used photoinitiator, suitable for the following polymerization reactions of unsaturated prepolymers, such as acrylates combined with multifunctional vinyl monomers.

Technical Data

Molecular Formula	C ₁₃ H ₁₀ O
Molecule Weight (g/mol)	182.2
Composition	Benzophenone
Appearance	White flaky solid
Melting Point (°C)	47 - 49
Purity (%)	≥ 99
Volatile Content (%)	≤ 0.5
Ash Content (%)	≤ 0.1
Absorption Peak (nm)	253、345

Applications

It is suitable for light-curing varnish systems, such as wood varnishes, paper varnishes, UV printing inks, and can also be added together with other initiators.

Recommended Usage

Solubility (20 °C, g/100g)

Solvent or monomer	Acetone	Toluene	Methanol	HDDE	TMPTA	TPGDA
Solubility :	≥50	≥50	30	40	30	37

Recommended addition : 2~5%.

Users are advised to determine the optimum dosage by experiment 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: 25 kg per bag.

Tips: Lencolo 5005 is one of the most commonly used photoinitiators, suitable for mid- to low-end products.

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.