

Lencolo 5034 (PBZ) Photoinitiator

CAS#: 2128-93-0

Description

Lencolo 5034 is a highly efficient, low-odor Type II solid radical photoinitiator. Among structurally modified benzophenone-based low-odor photoinitiators, it offers relatively high initiation efficiency and is suitable for use in low-odor UV-curable applications.

Technical Data

Molecular Formula	C ₁₉ H ₁₄ O
Molecule Weight (g/mol)	258.3
Composition	4-Phenylbenzophenone
Appearance	Light yellow crystals
Melting Point (°C)	99 - 101
Purity (%)	≥ 99
Volatile Content (%)	≤ 0.5
Ash Content (%)	≤ 0.1
Absorption Peak (nm)	289

Applications

Suitable for low-odor light-curing systems, such as odorless and non-toxic packaging for paper and food packaging, low-odor wood varnishes, low-odor plastics, and applications in the 3C industry.

Recommended 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: 2~4% for film thickness 5~20mm; 2~6% for film thickness 2~200mm

Users are advised to determine the optimal addition level through preliminary testing

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 5034 is a low-odor, high-efficiency photoinitiator suitable for low-odor UV-curable systems

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.