

Lencolo 5039 Low-odor Photoinitiator CBP

CAS#: 134-85-0

Description

Lencolo 5039 is a free radical (II) type solid photoinitiator with low residual odor. When used alone, its initiation efficiency is generally moderate; it is more commonly used in combination with other low-odor photoinitiators. For example, combined with TPO photoinitiators, it can effectively enhance curing efficiency. Typical applications include odorless and non-toxic packaging for paper and food.

Technical Data

Molecular Formula	C13H9ClO
Molecule Weight (g/mol)	216.66
Composition	4-Chlorobenzophenone
Appearance	White flaky solid
Melting Point (°C)	93 - 96
Purity (%)	≥ 99
Volatile Content (%)	≤ 0.5
Ash Content (%)	≤ 0.1
Absorption Peak (nm)	204、258

Applications

It is suitable for low-odor light-curing systems, and can be used in the field of odorless and non-toxic packaging for paper and food packaging.

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 2-4%; 2~6% for film thickness 2~200mm

Users are advised to determine the optimal dosage through trials prior to 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 5039 is a low odor, suitable for use in low odor curing 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.