

Lencolo 5031B Synergistic Photoinitiator

Description

Lencolo 5031B is a photoinitiator promoter specifically designed for UV systems, effectively enhancing the reactivity of various UV resins. It exhibits strong absorption for specific wavelengths (365nm-395nm). It is suitable for a variety of UV coatings and UV adhesives cured with LED lamps, and can also be used in mercury lamp-cured UV systems to improve surface drying and crosslinking density.

Technical Data

Appearance	Transparent liquid
Purity (%)	≥ 99.5
Volatile Content(%)	≤ 0.5
Ash Content(%)	≤ 0.1
Absorption Peak(nm)	365-395

Product Features

Increases UV curing rate and effectively promotes curing of various UV systems, ensuring more complete cure, higher conversion, and improved depth-of-cure performance

Highly suitable as a photoinitiator for a wide range of LED UV systems, providing more thorough surface cure

Enhances adhesion to metals, glass, and polymer substrates, and improves abrasion resistance

Applications

Suitable for various mercury lamp UV systems, also suitable for LED UV, LED UV inks, LED UV adhesive system, UV nail polish.

Recommended Usage

Not recommended for use alone; can be used in combination with other photoinitiators to adjust the balance between surface and depth curing

Recommended addition level: 0.5~3%

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

Note: Store protected from light; exposure to light may cause gelling

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 drum

Tips: Lencolo 5031B effectively promotes curing in various UV systems, ensuring more complete cure, higher conversion, and improved surface and depth-of-cure performance. Enhances abrasion and scratch resistance

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.