

Lencolo 5024 Yellowing-resistant Photoinitiator

Description

Lencolo 5024 is a photoinitiator of yellowing-resistant UV system, which has strong absorption at a specific wavelength (250 nm-340 nm). It improves film density and enhances adhesion to primers, significantly increasing water resistance, chemical resistance, yellowing resistance, and overall aging stability. It is suitable for a variety of UV varnish systems, UV-white coatings, and UV adhesives.

Technical Data

Composition	Benzyl ketone acid-modified compound
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Appearance	Pale yellow liquid
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Purity (%)	≥ 99.5
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Volatile Content (%)	≤ 0.5
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Ash Content (%)	≤ 0.1
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Absorption Peak (nm)	250 - 340
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Product Features

Highly suitable as a photoinitiator for a wide range of UV-curable systems

Significantly improve the yellowing and aging resistance of various UV resins

Reduces initial yellowing immediately after UV curing, improving primer color appearance and color matching

Offers fast curing rate and improves system's stain resistance

Provides excellent surface and depth cure performance

Applications

Widely used in white UV inks, clear UV varnishes, yellowing-resistant UV varnishes, weather-resistant UV varnishes, and UV adhesive systems.

Recommended Usage

Can be used alone or in combination with other photoinitiators; combination allows adjustment of the balance between surface and depth curing

Recommended addition level: 0.5~5%

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: 25 kg per drum

Tips: Lencolo 5024 can be applied in UV polymerization and effectively enhances yellowing and aging resistance of various UV coatings and inks

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.