

Lencolo 5006D Liquid Photoinitiator 184

Description

Lencolo 5006D is a high-efficiency, non-yellowing liquid UV photoinitiator (liquid type 184) used to initiate photopolymerization of unsaturated prepolymer systems. It acts as an effective non-yellowing photoinitiator for UV-curable coatings and inks. It can be used in acrylic UV-curable clear coatings on paper, metal and plastic substrates, and is particularly recommended for 100% solids UV systems.

Technical Data

Composition	Benzophenone acid modified compound
Appearance	Light yellow liquid
Purity (%)	≥ 99.5
Volatile Content (%)	≤ 0.5
Ash Content (%)	≤ 0.1
Absorption Peak (nm)	240 - 350

Product Features

Liquid form, convenient for addition. Highly suitable for various 100% solids UV systems and a wide range of UV ink systems — especially those UV formulations where photoinitiator addition would otherwise make fine-mesh screen filtration difficult.

Significantly enhances the yellowing resistance and aging resistance of various UV resins.

Features fast UV curing rate and low odor after cure.

Due to its broad UV absorption spectrum, it is suitable for the full cure of white coatings containing titanium dioxide, delivering excellent surface cure.

Applications

Mainly used in white system, it can be used in ultraviolet curing coatings, printing inks, ultraviolet curing adhesives, optical fiber coatings and so on. It features low yellowing tendency and it is more suitable for varnishes, especially for coating systems with low odor requirements.

Recommended Usage

It can be used alone or in combination with other photoinitiators, which can adjust the balance between surface curing and deep curing.

Recommended addition: 2~4%.

It is recommended that users determine the optimal dosage through preliminary testing 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 drum

Tips: Lencolo 5006D is a liquid photoinitiator 184, providing convenient use for customers.

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.