

## Lencolo 5033 Special Photoinitiator for Black

### Description

**Lencolo 5033** has a strong absorption peak, effectively absorbing light in the 400–450 nm range. Upon irradiation, it generates highly active free radicals, resulting in enhanced polymerization efficiency. It is specifically designed for deep curing of pigmented ink systems. Typical applications include UV coatings, UV inkjet inks, UV inks, UV texture transfer coatings, UV 3D printing resins, UV adhesives, and other unsaturated systems undergoing UV polymerization.

### Technical Data

Appearance	Transparent yellowish liquid
Purity (%)	≥ 98%
Density (g/cm <sup>3</sup> , 25°C)	1.1 ± 0.1
Volatile content(%)	≤ 0.5
Ash Content (%)	≤ 0.1
Absorption Peak (nm)	325 - 450

### Product Features

1. Clear, impurity-free liquid, easy to incorporate into various UV systems
2. High absorption peak, ideal for deep curing of colored, dark, and black UV systems, ensuring more complete bottom-layer cure
3. Fast UV curing rate, providing more thorough curing with lower residual odor
4. Remains a low-viscosity liquid even at temperatures down to 0°C, with no crystallization or precipitation

### Applications

UV adhesives; UV-3D printing resins; UV nail polishes; UV inks; UV coatings; UV texture transfer coatings; UV pressure sensitive adhesives, etc.

### 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 5033 has a higher absorption peak, which is more effective in the application of colored systems, and the curing of black UV systems is more thorough.**

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.