

Lencolo 5050W Waterbased Photoinitiator

Description

Lencolo 5050W is an odorless and fully water-soluble UV water-based photoinitiator, featuring high photoreactivity and initiation efficiency in UV water-based systems. It also exhibits a relatively high absorption wavelength, with a maximum absorption peak up to 395 nm. Suitable for use in UV water-based clear coatings and UV water-based pigmented coatings.

Technical Data

Appearance	Transparent liquid
Purity (%)	≥ 98
Density (g/cm ³ , 25°C)	1.1 ± 0.1
Volatile Content (%)	≤ 0.5
Ash Content (%)	≤ 0.1
Absorption Peak (nm)	245 - 395

Product Features

1. Good water solubility, transparent liquid, easy to incorporate into UV water-based systems
2. Odorless and non-yellowing; used in water-based UV varnishes, water-based UV white coatings and visible light curing systems
3. Fast curing rate in water-based UV systems, ensuring more complete curing with lower residual odor
4. Remains a low-viscosity liquid even at temperatures down to 0°C, with no crystallization or precipitation

Applications

water-based UV varnishes; water-based UV pigmented coatings; water-based UV coatings; water-based UV glues; visible light UV system, 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 5050W provides good surface and depth curing performance in water-based UV systems, and can also improve the flexibility of the cured film

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.