

Lencolo 5007D Liquid Photoinitiator TPO

Description

Lencolo 5007D because of its wide absorption range, the effective absorption peak of liquid TPO is 240 ~ 400 nm, and the absorption peak is about 420nm all the time. Its absorption peak is longer than that of conventional initiators. After being illuminated, it can generate two free radicals, benzoyl and phosphoryl, which can initiate photopolymerization. Therefore, the curing speed is fast, and it also has photobleaching effect, which is suitable for deep curing of thick films and yellowing resistance of coatings. It has low volatilization and is suitable for water-based.

Technical data

Ingredient	Liquid TPO
Appearance	Light yellow liquid
Purity (%)	≥95
Acidity value	≤4
Volatile content(%)	≤0.5
Absorption peak(nm)	240、270、395

Performance

Liquid TPO has good compatibility with various monomers and UV resins, and is very convenient to use. It is very suitable for all kinds of 100% solid UV systems, all kinds of UV ink systems, and all kinds of UV systems that are inconvenient to filter with high mesh filter after photoinitiated addition.

Compared with traditional TPO, most of the performance is similar. The curing speed is slightly slower, but it has lower yellowing.Can be used in aqueous UV system.

Applications

This product is mostly used in white system, and can be used in photocurable coatings, printing inks, UV curing adhesives, optical fiber coatings, photoresists, photopolymerization printing plates, stereolithography resins, composite coating materials, dental fillings, etc.

Usage

Addition:0.5~5%

Users are advised to determine the optimum dosage by experiment before use.

Storage

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Recommended storage temperature is not higher than 30°C. Unused products must be sealed and stored in a timely manner and cannot be stored in the open. Safe storage time is 6 months at room temperature(25°C) and under ventilation. 25KG/barrel

Tips:Lencolo 5007D liquid TPO has good yellowing resistance and LED curing effect, which is very suitable for 100% solid UV system and is more convenient to add.

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.