

Lencolo 5020 (819) Efficient Universal UV Photoinitiator

CAS#: 162881-26-7

Description

**Lencolo 5020** has greater absorption in the UV and visible regions and is more effective at initiating cure than other photoinitiators for coating systems containing pigments. There is almost no yellowing after curing and long-term light irradiation, so it can be used in occasions with strict yellowing requirements, such as: white, light-colored inks and coatings. In addition, it has a bleaching effect on light, and rays can penetrate the coating, which is conducive to the thorough curing of thick films.

Technical data

Molecular formula	C26H27O3P
Molecule weight(g/mol)	418.16
Ingredients	Phenylbis(2,4,6-trimethylbenzoyl)phosphine
Appearance	Yellow powder
Melting point	127-133
Purity (%)	≥99
Volatile content(%)	≤0.5
Ash content(%)	≤0.1
Absorption peak(nm)	295、 370

Applications

Printing inks and prepreg systems for wood, metal, plastic, paper and fiber optic surfaces, etc.

Usage

Solubility (20 C, g/100g)

Solvent or monomer:	Acetone	Butyl acetate	Methanol	Toluene	HDDA	Oligoacrylate
Solubility :	14	6	3	22	9	3

Addition amount: Film thickness 5-20mm 2-4%, Film thickness 2-200mm 1-3%

Users are advised to conduct experiments to determine the optimal dosage 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. 20KG/bag

**Tips: Lencolo 5020 has excellent curing effect and UV yellowing resistance, which can increase the curing effect of color ink.**

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.