

Lencolo 5021 (784) UV Photoinitiator

CAS#: 125051-32-3

Description

**Lencolo 5021** is an excellent visible photoinitiator. Its initiation process is neither cleavage nor hydrogen capture, but after absorbing light energy, the photoisomerisation becomes a cyclic light reaction intermediate, and ligand substitution occurs with the ester carbonyl group of the acrylate ester in the oligomer and reactive diluent, generating free radicals and initiating polymerisation and cross-linking. It has bleaching effect after photolysis, and is very suitable for visible light curing of thick coatings, and can cure coatings with a thickness of more than 70um.

Technical data

Molecular formula	C30H22F4N2Ti
Molecule weight(g/mol)	534.4
Ingredients	Bis-2,6-difluoro-3-pyrrolephenyl titanocene
Appearance	Yellow or orange powder
Melting point(°C)	160-162
Purity (%)	≥99
Volatile content(%)	≤0.5
Ash content(%)	≤0.1
Absorption peak(nm)	398、 470

Applications

Can be used in UV coatings, UV inks, UV adhesives, photoresists, photopolymerizable plates, composites, dental fillings, etc.

Usage

Solubility (20 C, g/100g)

solvent or monomer:	Acetone	Methyl ethyl ketone	Toluene	HDDA	TMPTA
Solubility :	30	30	10	22	5

Addition amount: 3~4%,

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. 20KG/bag

**Tips: Lencolo 5021 has good absorption of visible light, has a bleaching effect, and is used in PCB inks and dental fillings.**

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.