

Lencolo 5025 Photoinitiator ITX

CAS#: 5495-84-1

Description

Lencolo 5025 is a high-efficiency type II photoinitiator, which is suitable for photocuring materials composed of unsaturated polyester, etc. It exhibits excellent compatibility with organic solvents and, when used in combination with tertiary amine co-initiators, enables effective UV polymerization. Typical applications include screen printing inks, varnishes, lithographic inks, flexographic inks, electronics, and wood coatings. PI-025 has an absorption peak in the 258–382 nm range. It can also function as a photosensitizer to enhance the curing efficiency of UV 907.

Technical Data

Molecular Formula	C ₁₆ H ₁₄ O ₃
Molecule Weight (g/mol)	253
Composition	2-Isopropylthioxanthone
Appearance	Light yellow powder
Melting Point (°C)	70 - 76
Purity (%)	≥ 99
Volatile Content (%)	≤ 0.2
Ash Content (%)	≤ 0.1
Absorption Peak (nm)	258 、 382

Applications

Used in screen printing inks; varnishes; lithographic inks; flexo inks; electronics; wood coatings

Recommended Usage

Recommended addition: 0.2 ~ 2%

It is recommended that users determine the optimal dosage through preliminary testing before use.

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 bag

Tips:Lencolo 5025 and 907 are used for ink and electronic adhesive.

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.