

Lencolo 5036 Photoinitiator EDB

CAS#: 10287-53-3

Description

Lencolo 5036 is a high-efficiency solid amine synergist suitable for UV-curable mono- or multi-functional monomers and oligomers. It is mainly used in offset printing inks, adhesives, screen printing inks, soldermask inks, and other electronics applications. It is generally used in combination with ITX or 907.

Technical Data

Molecular Formula	C ₁₁ H ₁₅ O ₂ N
Molecule Weight (g/mol)	193.2
Composition	4-Dimethylamino-ethyl benzoate
Appearance	White solid powder
Melting Point (°C)	61 - 64
Purity (%)	≥ 99
Volatile Content (%)	≤ 0.5
Ash Content (%)	≤ 0.1
Absorption Peak (nm)	228、308

Applications

It is suitable for monomers and oligomers with single or multifunctional UV polymerization monomers, mainly used in lithographic printing inks, adhesives, screen printing inks, solder mask inks and other electronic products. Typically used in combination with ITX or 907.

Recommended Usage

Solubility (20°C, g/100g)

Solvent or monomer	Acetone	Toluene	Ethyl Ester	HDDA	TMPTA	TPGDA
Solubility :	≥ 50	≥ 50	≥ 50	≥ 50	40	43

Addition amount: 2~4% for film thickness 5~20 mm; 2~5% for film thickness 2~200 mm

Users are advised to determine the optimal addition level through preliminary testing

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: 20 kg per bag

Tips:Lencolo 5036 high-efficiency solid amine synergist, generally used together with ITX or 907.

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.