Lencolo 5035 (MBZ) Photoinitiator

CAS#：134-84-9

Description

Lencolo 5035 It is a high-efficiency, low-yellowing surface photoinitiator, used in UV polymerization together with tertiary amine co-initiators in the corresponding resin systems. Applicable for varnishes, plastic coatings, wood coatings, adhesives, offset printing inks, screen printing inks, flexographic inks, electronic products, etc.

Technical Data

Molecular Formula	$C_{14}H_{12}0$
Molecule Weight (g/mol)	196.2
Compostition	4-Methylbenzophenone
Appearance	White flaky solid
Melting Point (ºC)	54 - 58
Purity (%)	≥ 99
Volatile Content (%)	≤ 0.5
Ash Content (%)	≤ 0.1
Absorption Peak (nm)	245

Applications

Applicable for varnishes, plastic coatings, wood coatings, adhesives, offset printing inks, screen printing inks, flexographic inks, electronic products, etc.

Recommended Usage

Solubility (20℃, g/100g)

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

Recommended addition levels: 2~4% for film thickness 5~20 mm; 2~6% for film thickness 2~200 mm

It is recommended that users conduct experiments to determine the optimal addition amount 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: 20 kg per bag

Tips:Lencolo 5035 is a surface photoinitiator, use with tertiary amine complexing agent.