

Aluminum Acetylacetonate LD-805

(Similar to Japan NACEM)

Molecular formula: $(\text{CH}_3\text{COCHCOCH}_3)_3\text{Al}$

English name: Aluminum Acetylacetonate

CAS NO.: 13963-57-0

First, main characteristics

Appearance: white crystal powder

Purity: 99.9%

Aluminum content: $8.3 \pm 0.1\%$

Melting point: 191-194°C

Soluble in benzene, methylbenzene, dimethylbenzene, methyl alcohol, insoluble in water.

Second, usage

It is mainly used as a curing accelerator for epoxy resins, crosslinking agent for phenol, silicone, acrylic resins. It can improve adhesion in white inks, transparent inks and other printing inks without negative influence on the color. Chelation takes place between Aluminum acetylacetonate and phenolic antioxidant in the base material, printing inks and paint union, to improve the adhesion of electron adhesion promoter.

Third, application

Pretreatment must be taken if base material is without -OH, -COOH, -NH₂ groups, direct use with resins like PA, NC, PU, PVB, CAB, CAP, EVA and so on.

Fourth, recommended dosage

Acrylics PSA (solvent) bridging agent amount is about 1/1000. Amount is variable according to the effects in summer and winter.