

L-6135A Flexible modified UV epoxy resin

Description

L-6135A is a modified flexible epoxy acrylate resin. The epoxy acrylate groups are linked with flexible long-chain molecules, and a certain amount of carboxyl groups are synthesized in the long-chain molecules. It retains the advantages of high reactivity, high brightness, and low cost of conventional epoxy acrylate resins, while having more balanced flexibility, and better fullness and gloss. In addition, due to the presence of carboxyl groups, the adhesion, substrate wetting, and plating properties are all improved.

Technical data

Appearance	Colorless transparent liquid
Viscosity (60°C, CPS)	10000-20000
Chroma (Gardner)	≤2
UV content (%)	100
Density (g/cm ³ , 25°C)	1.1±0.1
Acid value (mg KOH/g)	≤3
Refractive Index	1.548
Shore Hardness	90A
Tensile Strength (MPa)(ASTM D882)	16.46
Elongation at break (%) (ASTM D882)	57.33
Functional Group	2

Performance

High gloss, high fullness
Good adhesion and substrate wettability
Excellent flexibility
Good water boiling resistance and good plating performance

Applications

UV nail polish, UV paper varnish, UV plastic coating, UV ink, UV vacuum plating basecoat, TPU UV coating, etc.

Storage

To prevent the product from being highly active and causing a polymerizing reaction, please seal it and store it away from heat sources and sunlight. The recommended storage temperature is no higher than 30°C. Unused products must be sealed and stored in a timely manner. Do not store them in the open. At 25°C and with ventilation, the safe storage period is 6 months.
20KG/200KG/barrel

Tips: L-6135A is a resin with particularly good flexibility.