

L-8100 Amine modified acrylate resin

Description

L-8100 is a special amine-modified grafted UV resin. L-8100 resin can be cured quickly and has excellent surface drying performance in LED curing. L-8100 resin has small shrinkage when cured, which has little effect on the flexibility of the overall coating, and can also increase the adhesion of the coating to the substrate. L-8100 has extremely low curing exotherm, which is very suitable for applications requiring low exotherm temperature, such as temperature change, silver, nail polish, etc. L-8100 resin is well compatible with various UV resins and has excellent stability. It is recommended for light-curing polymerization reactions of various unsaturated systems such as LED curing, UV coatings, UV inks, UV inkjet, UV varnishes, and UV roller coatings.

Technical data

Appearance	Transparent liquid
Viscosity (25°C, CPS)	3000 - 5000
Chroma (Gardner)	≤1
UV content (%)	100
Density (g/cm ³ , 25°C)	1.1±0.1
Acid value (mg KOH/g)	1--4
Refractive Index	1.488
Shore Hardness	87A
Functional Group	2

Performance

Low odor, low residual odor after curing

Promote deep curing, excellent surface drying performance, and less impact on hardness

Good pigment wettability and stability

Increase product chemical resistance and heat resistance

Applications

UV coatings, UV 3D printing inks, UV screen printing inks, UV adhesives, UV solder mask inks, UV inkjet, UV nail polish, UV flexographic printing, UV roller coating, etc.

Storage

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Safe storage time is 6 months at room temperature(25°C) and under ventilation.

This product will be packed into 25KG/200KG/barrel

Tips: L-8100 has a good effect on promoting the adhesion of plastic, metal and other substrates, especially promoting the surface drying and solid drying of low-functional UV resins.

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.