

L-6136 High Flexibility Modified UV Epoxy Resin

Description

L-6136 is a highly flexible modified epoxy acrylate resin. Flexible long-chain molecules are used to link epoxy acrylic acid groups, and a certain amount of carboxyl groups are synthesized into the long-chain molecules. It not only retains the advantages of high reactivity, high brightness, low cost and other advantages of ordinary epoxy acrylate resin, but also has more balanced flexibility, better fullness and gloss. Moreover, due to the presence of carboxyl groups, the adhesion, substrate wetting and plating properties will be improved, and it can be used in a wide range of applications, such as UV varnish.

Technical data

Appearance	Transparent liquid
Viscosity (25°C, CPS)	15,000 - 45,000
Chroma (Gardner)	≤2
UV component (%)	100
Density (25°C,g/cm³)	1.1±0.1
Acid value (mg KOH/g)	3 - 5
Refractive index	1.528
Shore hardness	87A
Tensile strength (MPa)(ASTM D882)	2.2
Elongation at break (%) (ASTM D882)	15.7
Functional group	2

Performance

High leveling and fullness, good flexibility  
Good adhesion and substrate wetting, good boiling resistance and plating ability

Applications

UV wood coating, UV paper varnish, UV plastic coating, UV ink, vacuum plating primer, TPU UV coating, UV adhesive, 3D printing resin, UV nail polish, PVC UV varnish 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 20KG/200KG/barrel

**Tips: L-6136 has better flexibility than L-6135, can be applied on many soft substrate, with good leveling and transparency.**

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.