

L-6135 Green Modified UV Epoxy Resin

Description

L-6135 is a modified flexible epoxy acrylate resin. A flexible long-chain molecule is used to link the epoxy acrylic group, and a certain amount of carboxyl group is synthesized into the block in the long-chain molecule at the same time. It not only retains the advantages of high reactivity, high gloss and low cost of epoxy acrylate resins, but also has more balanced flexibility, and better fullness and brightness. And due to the existence of carboxyl groups, the properties of adhesion, substrate wetting and plating properties will be improved.

Technical Data

Appearance	Light green transparent liquid
Viscosity (60°C, CPS)	18,000 - 28,000
Color Value (Gardner)	≤2
UV Content (%)	100
Density (25°C,g/cm³)	1.1±0.1
Acid Value (mg	5 - 7
Refractive Index	1.541
Shore Hardness	80A
Tensile Strength (MPa)(ASTM D882)	25.1
Elongation at Break (%) (ASTM D882)	28.7
Functional Group	2

Product Features

High gloss and high film build
Good adhesion and substrate wettability
Excellent flexibility
Good boiling resistance and metallization performance

Applications

UV nail polish, UV varnishes for paper , UV plastic coatings, UV ink, UV vacuum metallized primers, TPU UV coatings, etc.

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 / 200 kg drums.

Tips: L-6135 features good flexibility, making it suitable for many soft substrates, with excellent leveling as a key highlight.

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.