

L-6240 LED Curable 2-functional Polyurethane Resin

Description

L-6240 is a specially modified highly reactive polyurethane acrylate that can be cured by low energy with LED cold light source. It has excellent surface drying performance, high gloss film formation, toughness, surface scratch resistance, wear resistance and other properties. It can be used in vacuum coating primers, topcoats, varnishes, inks of LED curing systems and UV systems, and environmentally friendly nail polish, which can significantly improve the toughness, drying, wear resistance, leveling and other properties of the paint film.

Technical data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	22,000-32,000
Chroma (Gardner)	≤1
UV content (%)	100
Density (g/cm³, 25°C)	1.1±0.1
Acid value (mg KOH/g)	≤3
Refractive Index	1.501
Shore Hardness	75D
Tensile Strength (MPa)(ASTM D882)	34.3
Elongation at break (%) (ASTM D882)	5.3
Functional Group	2

Performance

High hardness, high gloss, good wear resistance
High reactivity, 365nm, 395nm LED can be quickly cured
Highly cross-linked, good chemical resistance
Excellent scratch resistance, good toughness, high tensile strength

Applications

Widely used in SPC flooring, PVC flooring, 3D printing, UV DIY glue, UV nail polish, UV silk screen ink, 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-6240 has no odor, high permeability and excellent compatibility with various 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.