

L-9861W Water-based 6-functional UV Polyurethane Resin

Description

L-9861W is a water-based 6-functional UV polyurethane aqueous solution modified by a special process. It has fast curing speed, high hardness, good wear resistance, good scratch resistance, and good chemical resistance. Can be co-soluble with other water-based UV resins.

Technical data

Appearance	White lotion
Viscosity (25°C, CPS)	1,000-2,000
Solid content (%)	65±2
Density (g/cm ³ , 25°C)	1.1±0.05
PH value	3-6
Functional groups	6

Performance

It has good adhesion to ABS, ABS/PC, PC and wood, and has good pigment wettability.

Good hardness and good scratch resistance (nails, pencils, coins)

Excellent water resistance, scrub resistance and alkali resistance, good stain resistance

Applications

Water-based plastic UV, water-based wood UV topcoat, etc.

Precautions

1. The diluent is tap water: isopropyl alcohol (or ethanol) 1:1. Solvents such as PMA can also be appropriately added to the formula;
2. The resin can be used alone to formulate a varnish, which can be used for sealing protection or gloss decoration on metal or wooden surfaces;
3. If it is applied to non-absorbent material surfaces and has high requirements for resistance to chemicals and solvents, it must be dried with hot air before UV curing;
4. The curing condition is a UV lamp with a power of 3000W or above. The distance between the lamp and the object to be illuminated is within 7CM for the fastest curing speed and the best effect. If the distance is greater than this distance, the illumination time needs to be extended appropriately.

Storage

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Recommended storage temperature is not higher than 30°C. Unused products must be sealed and stored in a timely manner and cannot be stored in the open. Safe storage time is 6 months at room temperature(25°C) and under ventilation. 50KG/200KG/barrel

Tips:L-9861W is a high-grade water-based UV resin with good abrasion resistance, boiling resistance and RCA resistance.

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.