

L-6901 High Wear-resistant UV Polyurethane Resin

Description

L-6901 is a 9-functional polyurethane acrylate resin, the product has high reactivity, high crosslinking density, the cured coating has excellent solvent resistance, scratch resistance and abrasion resistance, good steel wool resistance, high hardness , appropriate flexibility, yellowing resistance, good weather resistance. Especially suitable for anti-scratch, UV coating, UV anti-graffiti coating, UV anti-scratch ink with high abrasion resistance. It has excellent adhesion to various plastic substrates such as PC, ABS, PMMA, PET (surface treatment), and TAC.

Technical data

Appearance	Colorless transparent liquid
Viscosity (25°C,CPS)	55,000 - 80,000
Chroma (Gardner)	≤2
UV component (%)	≥98
Density (g/cm³,25°C)	1.1±0.1
Acid value (mg KOH/g)	≤2
Refractive index	1.49
Shore hardness	87D
Functional group	9

Performance

High weather resistance, high yellowing resistance, good QUV lamp resistance  
High cure rate, high hardness, high gloss, and good flexibility  
High abrasion resistance, high scratch resistance  
Resistant to erasers and wool felt

Applications

It is suitable for UV high-gloss varnish and UV screen printing varnish on various plastic substrates and plastic silver paint, and can also be applied to the primer and topcoat of metal and vacuum coating, PVC surface varnish, paper, wood and other UV coatings and UV inks, etc., are especially suitable for various UV coatings with high requirements for steel wool resistance, wear resistance, and eraser resistance.

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. 20KG/25KG/200KG/barrel

**Tips: L-6901 has fast reaction speed, good abrasion resistance, good resistance to erasers and wool felt.**

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.