

L-6902 15-Functional UV Polyurethane Resin with Steel Wool Resistance

Description

L-6902 is a 15-functional polyurethane acrylic oligomer with high reactivity, high crosslinking density, excellent solvent resistance, abrasion resistance and wear resistance, good steel wool resistance, high hardness, appropriate flexibility, yellowing resistance and 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)	35,000 - 75,000
Color Value (Gardner)	≤ 2
UV Content (%)	≥ 98
Density (g/cm ³ ,25°C)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 2
Refractive Index	1.492
Shore Hardness	88D
Functional Group	15

Product Features

High weatherability, yellowing resistance and good QUV lamp performance.

High curing rate, high hardness, high gloss and good flexibility.

High abrasion resistance and high scratch resistance

Steel wool resistance over 1000 times.

Applications

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 ink, etc., especially suitable for various UV anti-graffiti coatings.

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 per drum

Tips: L-6902 features fast curing speed, high hardness, and excellent abrasion resistance, with steel wool resistance exceeding 1,000 cycles.

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.