

L-6902X Inorganic Hybrid UV Polyurethane Resin

Description

L-6902X is an inorganic hybrid urethane acrylate resin with high reactivity and high crosslink density. It features low shrinkage, excellent scratch and abrasion resistance, good steel wool resistance, and high hardness. It is particularly suitable for UV coatings and inks requiring high scratch and abrasion resistance, including UV anti-graffiti coatings and UV scratch-resistant inks. Provides excellent adhesion to a wide range of pre-treated plastic substrates, including PC, ABS, PMMA, PVC, PET, and TAC.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C,CPS)	500 - 1,800
Color Value (Gardner)	≤ 2
UV Content (%)	≥ 88
Density (g/cm ³ ,25°C)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 2
Refractive Index	1.471
Shore Hardness	88D

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 more than 1000 times.

Applications

Suitable for UV high-gloss varnish and UV screen printing varnish on various plastic substrates and plastic silver powder paint, and can also be applied to the primer and topcoat of metal and vacuum coating, PVC surface coating varnish, paper, wood and other UV coatings and UV inks, etc., are especially suitable for various UV anti-graffiti and steel wool UV 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 / 25kg / 200 kg per drum

Tips: L-6902X has fast reaction speed, good abrasion resistance, good scratch resistance and steel wool resistance over 1000 times.

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.