

## L-6905C-8 High-Toughness, Steel Wool Resistant UV-Curable Resin

### Description

**L-6905C-8** Fluorocarbon modified high-reactivity UV resin, good wear resistance (resistance to steel wool), good anti-graffiti and anti-fingerprint effect, high transparency, high hardness, good toughness, hard but not brittle. Recommended for high-end electronic products, surface hardening processing of various PMAA, PET, PC, metal and other substrates.

### Technical Data

Appearance	Light milky white liquid
Viscosity (25°C, CPS)	1,500 - 3,800
UV Content (%)	90 ± 2
Density (g/cm³, 25°C)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 1
Refractive Index	1.484
Shore Hardness	86D
Functional Group	15

### Product Features

Good leveling, good transparency

Good anti-graffiti effect, water drop contact angle above 105 degree

Resistant to 0000# steel wool, 3000 times without visible scratching (1cm\*1cm head, 1KG load)

Good toughness, hard but not brittle.

### Applications

High-requirements curtain UV coating; mobile phone anti-graffiti UV coating; plastic anti-graffiti UV coating; various steel wool resistant UV coatings, etc.

### 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-6905C-8 features excellent transparency, outstanding anti-staining performance, and strong resistance to steel-wool abrasion. It maintains good flexibility, and even after 3000 cycles of steel-wool testing, the water contact angle remains above 100°. Stable abrasion resistance is one of its key characteristics.**

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.