L-6905E Stain-Resistant, Steel Wool Resistant UV-Curable Resin

Description

L-6905E Fluorocarbon modified high-reactivity UV resin, it has good wear resistance (steel wool resistance), good anti-graffiti and anti-fingerprint effects, high transparency, high hardness, good toughness, hard but not brittle. Recommended for electronic products, surface hardening treatment for various PMAA, PET, PC, metal substrate etc., providing high stain resistance and high wear resistance performance.

Technical Data

Appearance	Light milky white liquid
Viscosity (25ºC， CPS)	1,500 - 3,800
Density (g/cm³, 25ºC)	1.1 ± 0.1
UV Content (%)	90 ± 2
Acid Value (mg KOH/g)	≤ 1
Refractive Index	1.482
Shore Hardness	88D
Functional Group	15

Product Features

Good leveling and good transparency

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

Resistant to #0000 steel wool; 3000 cycles without visible scratching (1 cm × 1 cm abrasion head, 1 kg load)

Good toughness, hard but not brittle

Applications

Suitable for high-performance curtain-coating UV systems, anti-graffiti UV coatings for mobile devices, anti-graffiti UV coatings for plastics, curtain-coating UV finishes, various steel-wool-resistant UV coatings, and hard-coating treatments for films

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-6905E provides excellent anti-staining performance and strong resistance to steel-wool abrasion. After 3000 cycles of #0000 steel-wool testing, the water contact angle remains above 100°. Compared with L-6905C-9, L-6905E offers a relatively softer film.

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.