

L-6200C UV Polyurethane for Vacuum Metallization

Description

L-6200C is 2-functional UV polyurethane resin for vacuum metallization, recommended for use in coatings, inks, and adhesives. As the main film-forming resin in free-radical curing systems, L-6200C provides excellent flexibility and curing speed, with outstanding adhesion to various plastic substrates. It also exhibits excellent interlayer adhesion with vacuum-metallized coatings. It offers low-energy curing and good drying performance, preventing blue or hazy appearance on reflective aluminum-coated products. In coating formulations for complex substrates such as blended plastics, PP, PE, and PVC, it maintains excellent bending resistance without cracking or peeling. The cured film has good covering powder while retaining excellent wetting and leveling properties.

Technical Data

Appearance	Light yellow transparent liquid
Viscosity (60°C, CPS)	22,000 - 35,000
Color Value (Gardner)	≤2
UV Content (%)	100
Acid Value (mg KOH/g)	≤1
Refractive Index	1.474
Shore Hardness	60A
Tensile Strength (MPa)(ASTM D882)	12.6
Elongation at Break (%) (ASTM D882)	51.7
Functional Group	2

Product Features

Used as the main resin in vacuum coating primer with excellent interlayer adhesion.

Excellent adhesion, good flexibility and high covering power

Low shrinkage; excellent resistance to acids, alkalis, and impact

Applications

UV vacuum metallized primers and topcoats; UV soft-touch varnishes; UV inks; UV clear coatings for plastic; 3D printing resins, 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 drums.

Tips: L-6200C exhibits excellent plating performance, fast curing speed, and good drying properties. The coating shows no sinking or crawling, has good flow and leveling, and excellent oil resistance.

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.