

## L-6206C Flexible 2-functional UV Polyurethane

### Description

**L-6206C** is a flexible 2-functional UV polyurethane resin for coatings, inks, and adhesives. As the main film-forming resin in free radical curing systems, it provides excellent elasticity and flexibility. It ensures effective adhesion on various UV adhesives, UV transfer coatings, PET, and PVC. When used in vacuum metallization primers or UV topcoats, it delivers flexible films with excellent leveling.

### Technical Data

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| Appearance                          | Light yellow clear transparent liquid |
| Viscosity (60°C, CPS)               | 9,000 - 18,000                        |
| Color Value (Gardner)               | ≤1                                    |
| UV Content (%)                      | 100                                   |
| Acid Value (mg KOH/g)               | ≤1                                    |
| Refractive Index                    | 1.48                                  |
| Shore Hardness                      | 70A                                   |
| Tensile Strength (MPa)(ASTM D882)   | 8.7                                   |
| Elongation at Break (%) (ASTM D882) | 81                                    |
| Functional Group                    | 2                                     |

### Product Features

Excellent adhesion on PC, PVC, and TPU  
Low shrinkage, good flexibility and high tensile strength  
Good leveling and hiding power

### Storage Conditions

UV vacuum metallized primers; UV soft-touch elastic varnishes; UV adhesive; UV texture transfer coating; UV inks; UV plastic varnishes, etc.

### Storage

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-6206C offers excellent flexibility, elasticity, and plating performance, providing benefits such as improved large-area leveling, reduced shrinkage, and adjusted film flexibility.

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.