

# L-6206 Non-yellowing 2-Functional Polyurethane Acrylate

## Description

**L-6206** non-yellowing aliphatic 2-functional polyurethane acrylate featuring excellent non-yellowing properties, good toughness, fast curing rate, good surface drying, and resistance to boiling water.

## Technical Data

|                                     |                              |
|-------------------------------------|------------------------------|
| Appearance                          | Colorless transparent liquid |
| Viscosity (60°C, CPS)               | 10,000 - 20,000              |
| Chroma (Gardner)                    | ≤1                           |
| UV component (%)                    | 100                          |
| Density (25°C,g/cm³)                | 1.1±0.1                      |
| Acid value (mg KOH/g)               | ≤2                           |
| Refractive index                    | 1.483                        |
| Shore hardness                      | 74D                          |
| Tensile strength (MPa)(ASTM D882)   | 30.2                         |
| Elongation at break (%) (ASTM D882) | 34.3                         |
| Functional group                    | 2                            |

## Product Features

Excellent non-yellowing performance: maintains color stability even after passing through mercury lamp at 800 mJ/cm² for 30 cycles, with minimal change.

Outstanding elasticity: tough coating that resists cracking even at 2.5 mm thickness.

Good surface dryness, resistant to boiling

Coating features high transparency, low shrinkage, and easy release

## Applications

For all kinds of high yellowing-resistance requirements application such as UV protective varnishes, UV adhesives, UV texture transfer coatings, UV 3D printing resins, UV hard coatings, elastic UV coatings, and vacuum metallization 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 / 200 kg drums.

**Tips: L-6206 is a non-yellowing, 2-functional polyurethane with fast curing and excellent film toughness.**

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.