

## L-6603A Aliphatic 6-functional UV Polyurethane Resin

### Description

**L-6603A** is an aliphatic hexafunctional polyurethane acrylate resin featuring high reactivity and good hardness. The cured coating exhibits excellent solvent resistance, scratch resistance, and abrasion resistance, along with high surface hardness.

### Technical Data

Appearance	Colorless transparent liquid
Viscosity (60°C, CPS)	2,500-5,000
Color Value (Gardner)	≤ 1
UV Content (%)	≥98
Density (25°C, g/cm <sup>3</sup> )	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 2
Shore Hardness	85D
Functional Group	6

### Product Features

Fast curing speed with very low shrinkage  
High hardness with excellent scratch and abrasion resistance  
Good adhesion

### Applications

Particularly suitable for various plastic substrates and UV high-gloss clear coats over plastic silver metallic paints, as well as UV plastic coatings, UV screen printing varnishes, UV vacuum metallization topcoats, and PVC flooring.

### 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 / 25kg / 200 kg per drum.

**Tips: L-6603A is one of the most cost-effective aliphatic hexafunctional polyurethane resins.**

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.