

## L-6604 Low Viscosity 6-Functional UV Polyurethane Resin

### Description

**L-6604** is a low-viscosity, six-functional aromatic polyurethane acrylate resin. The product features high hardness, high gloss, excellent abrasion resistance, fast curing, low-energy cure capability, good adhesion, low viscosity, and excellent pigment wetting.

### Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	1,000 - 2,000
Color Value (Gardner)	≤ 1
UV Content (%)	100
Density (25°C, g/cm³)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 2
Refractive Index	1.485
Shore Hardness	85D
Functional Group	6

### Product Features

Low viscosity and low shrinkage with excellent pigment wetting  
High solids content, high hardness, high gloss, and excellent abrasion resistance  
High curing rate  
Good surface dryness  
Low-energy cure capability

### Applications

UV high gloss varnishes; UV plastic coatings; UV screen printing varnishes; UV wood coatings;  
UV inks; UV 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 / 25kg / 200 kg per drum.

**Tips: L-6604 features fast reactivity, high hardness, low viscosity, and excellent colorability.**

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.