

## L-6313 Tough 3-functional UV Polyurethane

### Description

**L-6313** is a tough 3-functional aromatic polyurethane resin with good abrasion resistance, fast cure speed and other characteristics, under the curing condition of 30mJ/cm<sup>2</sup> mercury lamp, add 5% photoinitiator 1173, the surface can dry completely. L-6313 can be used for vacuum coating primers, top coats, UV varnish, UV ink and nail polish system, it can significantly improve the toughness, dryness, abrasion resistance and leveling.

### Technical data

Appearance	Paste-like
Viscosity (60°C, CPS)	5,000 - 10,000
Chroma (Gardner)	≤1
UV component (%)	100
Acid value (mg KOH/g)	≤1
Refractive index	1.514
Shore hardness	63D
Tensile strength (MPa)(ASTM D882)	13.8
Elongation at break (%) (ASTM D882)	15
Functional group	3

### Performance

Good moisturizing, wrapping and matting properties for matte powder  
Good toughness and excellent wear resistance  
Fast response and low shrinkage  
Anti-sagging effect in ink and increases thixotropy

### Applications

Widely used in SPC flooring, PVC flooring, 3D printing, UV ink, UV plastic coating, etc.

### Storage

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Safe storage time is 6 months at room temperature( 25°C) and under ventilation.  
This product will be packed into 20KG/200KG/barrel

**Tips:**The reaction speed of L-6313 is faster than that of L-6316, and it is a 3-functional polyurethane resin with good toughness and wear 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.