

L-6316 Tough 3-functional UV Polyurethane

Description

L-6316 is an aliphatic 3-functional polyurethane resin, which has the characteristics of good flexibility and fast curing speed. It can be completely surface-dried by adding 5% 1173 under 30mJ/cm² mercury lamp. L-6316 used in vacuum coating primers, top coats, UV varnish, UV inks and nail polish systems, it can significantly improve the toughness, drying, abrasion resistance and leveling of the paint film.

Technical data

Appearance	Transparent liquid
Viscosity (60°C,CPS)	7,000 - 15,000
Chroma (Gardner)	≤1
UV component (%)	100
Acid value (mg KOH/g)	≤1
Refractive index	1.485
Shore hardness	61D
Tensile strength (MPa)(ASTM D882)	13.7
Elongation at break (%) (ASTM D882)	34.3
Functional group	3

Performance

High leveling and fullness
Fast response, excellent scratch resistance, good toughness
Good resistance to yellowing

Applications

Widely used in SPC flooring, PVC flooring, 3D printing, UV transfer glue, soft touch UV paint, 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: L-6316 has fast response, good tenacity, yellowing resistance, and liquid at room temperature.

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.