

L-6313 Paste-Form 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 30 mJ/cm² mercury lamp curing conditions, adding 5% of 1173 is required for complete surface drying. L-6313 is suitable for use in vacuum metallization primers, topcoats, overprint UV varnishes, UV inks, and nail gel systems, where it can significantly enhance film toughness, drying speed, abrasion resistance, and leveling properties.

Technical Data

Appearance	Paste-Form
Viscosity (60°C, CPS)	3,500-8,000
Color Value (Gardner)	≤1
UV Content (%)	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

Product Features

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 resins, UV inks, UV plastic coatings, 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 / 200 kg drums.

Tips:L-6313 exhibits a faster curing speed than L-6316 and is a trifunctional polyurethane resin with excellent toughness and abrasion 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.