

L-6314 Yellowing-Resistant 3-Functional UV Polyurethane

Description

L-6314 is an aliphatic 3-functional aliphatic polyurethane resin, which has the characteristics of good flexibility, fast curing speed, soft coating and yellowing resistance. L-6314 can be used for vacuum coating primers/topcoats, UV varnish, it can adjust flexibility in UV ink and nail polish system, and can provide matting property in PVC flooring.

Technical Data

Appearance	Viscous Paste
Viscosity (60°C,CPS)	6,000 - 10,000
Color Value (Gardner)	≤1
UV Content (%)	100
Acid Value (mg KOH/g)	≤1
Refractive Index	1.475
Shore Hardness	76A
Tensile Strength (MPa)(ASTM D882)	2.3
Elongation at Break (%) (ASTM D882)	22.7
Functional Group	3

Product Features

Good moisturizing and wrapping properties for matte powder, and easy matting
Good toughness and excellent wear resistance
Good resistance to yellowing

Applications

Widely used in SPC flooring, PVC flooring, 3D printing resins, UV texture transfer coatings, soft-touch UV vanishes, 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-6314 is a 3-functional polyurethane that balances hardness and toughness, offers superior yellowing resistance, and is easily matte-finished.

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.