

L-6317 Low Viscosity 3-functional UV Polyurethane

Description

L-6317 is an aliphatic trifunctional polyurethane resin of the classic lard-like type, featuring good flexibility, excellent matting, low surface tension, and fast curing. L-6317 is suitable for SPC flooring, 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	Transparent liquid
Viscosity (25°C,CPS)	3,500 - 8,000
Color Value (Gardner)	≤1
UV Content (%)	100
Acid Value (mg KOH/g)	≤1
Refractive Index	1.511
Shore Hardness	70D
Tensile Strength (MPa)(ASTM D882)	6.2
Elongation at Break (%) (ASTM D882)	8.3
Functional Group	3

Product Features

Excellent wetting and encapsulation of matting powders, easy to achieve a matte finish
Good toughness and excellent wear resistance
High yellowing resistance

Applications

Widely used in SPC flooring, PVC flooring, UV inks, soft touch UV varnishes, UV plastic coatings,

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-6317 is a 3-functional polyurethane with fast reaction speed, low viscosity, good toughness and excellent 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.