

L-6214 Dilution-Resistant 2-functional UV Polyurethane

Description

L-6214 is a dilution-resistant 2-functional UV polyurethane resin. It can be used as a main resin in UV spraying and UV vacuum metallization applications. The resin exhibits excellent leveling performance and high film build on substrates with uneven surfaces or pinholes. It also provides good adhesion to a wide range of plastic substrates, making it highly recommended for such applications. L-6214 is particularly suitable for mid- to low-end UV spray coating and UV vacuum metallization fields.

Technical Data

Appearance	Slightly yellow, clear and transparent liquid
Viscosity (60°C, CPS)	45,000-75,000
Color Value (Gardner)	≤2
UV Content (%)	100
Acid Value (mg KOH/g)	≤1
Refractive Index	1.479
Shore Hardness	66A
Tensile Strength (MPa)(ASTM D882)	5.1
Elongation at Break %)(ASTM D882)	61.2
Functional Group	2

Product Features

Good adhesion to a wide range of plastic substrates
Excellent interlayer adhesion, good flexibility, and high hiding power
Low shrinkage with a certain degree of tensile strength and elasticity

Applications

Widely used in vacuum metallization base coats and topcoats, UV nail gel base coats, color gels, UV inks, and UV clear coatings for plastic substrates.

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-6214 is a dilution-resistant difunctional UV polyurethane resin that maintains excellent performance even when diluted at a ratio of 1:2.

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.