

L-6209 High-Covering 2-functional UV Polyurethane

Description

L-6209 is a 2-functional UV polyurethane offers excellent oil resistance on contaminated substrates, prevents shrinkage holes, provides high gloss, and maintains cost efficiency. It delivers a well-balanced combination of flexibility, toughness, and improved fullness and gloss. The incorporated carboxyl groups further enhance adhesion, substrate wettability, and metallization performance, making it suitable for a wide range of UV coatings and inks.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (60°C, CPS)	6,000-8,000
Color Value (Gardner)	≤1
UV Content (%)	100
Density (25°C,g/cm³)	1.1±0.1
Acid Value (mg KOH/g)	≤2
Refractive Index	1.536
Shore Hardness	76D
Functional Group	2

Product Features

Excellent hiding power with high film build
High gloss with substantial film thickness
Good adhesion and substrate wetting
Balanced flexibility and hardness
Good metallization performance

Applications

UV wood coatings; UV paper varnishes; UV plastic coatings; UV inks; UV vacuum metallization

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-6209 features fast curing, excellent hiding power, strong resistance to boiling water, and good metallization plating performance.

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.