

L-6207 High Leveling Wear-resistant UV Polyurethane

Description

L-6207 is a specially modified 2-functional UV polyurethane acrylate, developed for soft substrates with high surface requirements. It offers a balanced combination of abrasion resistance and flexibility, with good leveling, fast curing, excellent surface dryness, and resistance to boiling water.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	28,000 - 38,000
Color Value (Gardner)	≤1
UV Content (%)	100
Density (25°C, g/cm³)	1.1±0.1
Acid Value (mg KOH/g)	≤2
Refractive Index	1.481
Shore Hardness	78D
Tensile Strength (MPa)(ASTM D882)	10.3
Elongation at Break (%) (ASTM D882)	2.7
Functional Group	2

Product Features

Excellent balance between abrasion resistance and flexibility, with good 3D thermoformability

Good toughness, paint film of 25um thickness does not break when folded in half.

Good leveling, fast curing rate and withstands over 200 RCA cycles

Applications

Various high yellowing requirements application: UV protective varnishes; UV adhesives; UV texture transfer coatings; UV hard coatings; UV 3D printing resins; elastic UV coatings; UV

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-6207 has good leveling with a mirror-like finish, fast curing, excellent film toughness, good 3D thermoformability, and withstands over 200 cycles in the RCA test.

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.