

L-6211 Low Viscosity 2-functional UV Polyurethane

Description

L-6211 is an aliphatic 2-functional polyurethane acrylate with ultra-low viscosity, good flexibility, fast curing rate, good surface dryness and good pigment wettability.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	120 - 280
Color Value (Gardner)	≤1
UV Content (%)	100
Density (25°C,g/cm³)	1.1±0.1
Acid Value (mg KOH/g)	≤2
Refractive Index	1.474
Shore Hardness	55D
Tensile Strength (MPa)(ASTM D882)	5.3
Elongation at Break (%) (ASTM D882)	25.3
Functional Group	2

Product Features

Ultra low viscosity

Fast curing: surface drying can be achieved under a mercury lamp at 120 mJ/cm², or under LED395 irradiation in 10 seconds.

Good flexibility and tear resistance

Good adhesion, good adhesion to PET

Good pigment wettability. When the nano color paste is added to over 10%, the impact on curing is minimal.

Applications

UV inkjet; UV 3D printing resins; UV adhesives; UV peelable films; UV varnishes; UV plastic coatings; UV elastic 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-6211 has ultra-low viscosity, good color addition, fast curing and low odor.

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.