

L-6211 Low Viscosity UV Polyurethane Resin

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
Chroma (Gardner)	≤1
UV component (%)	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

Performance

Ultra low viscosity

Fast curing speed, it can achieve surface drying under mercury lamp 120mJ/cm² energy or under LED395 for 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%, it will have little impact on curing.

Applications

UV inkjet, UV3D printing, UV adhesive, UV peelable film, UV varnish, UV plastic coating, UV elastic coating, etc.

Storage

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Safe storage time is 6 months at room temperature(25°C) and under ventilation.

This product will be packed into 20KG/200KG/barrel

**Tips: L-6211 has ultra-low viscosity, good color addition, fast curing and low odor.
(tin-free version can be customized)**

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.