

L-6211D Low viscosity organotin-free Polyurethane

Description

L-6211D is an aliphatic 2-functional polyurethane acrylate, which has the characteristics of no organic tin, 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, organotin-free

The curing speed is fast and can be tack-drying under the energy of 120mJ/cm² of mercury lamp; it can be tack-drying under the exposure of LED395 light source for 10 seconds.

Good flexibility and tear resistance

Good adhesion, good adhesion to PET

The pigment has good wettability. When the nano-color paste is added to more than 10%, it will have little impact on curing.

Applications

UV inkjet, UV 3D 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-6211D does not contain organic tin, is ultra-environmentally friendly, has ultra-low viscosity, good color addition, fast curing speed, 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.