

L-6211D Non-organotin Low Viscosity UV Polyurethane

Description

L-6211D is an aliphatic 2-functional polyurethane acrylate, free of organotin, featuring ultra-low viscosity, good flexibility, fast curing, rapid surface drying, and excellent pigment wetting.

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, organotin-free

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, particularly good bonding to PET

The pigment exhibits good wetting; when nano colorants are added at over 10 wt%, the impact on curing is minimal.

Applications

UV inkjet; UV 3D printings; 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-6211D is free of organotin, highly eco-friendly, ultra-low in viscosity, exhibits excellent colorability, 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.