

L-6212 Ultra-low Viscosity 2-functional UV Polyurethane

Description

L-6212 is a specially modified grafted UV polyurethane resin. When cured alone, L-6212 resin forms a film with excellent softness and toughness, making it suitable for coatings requiring high flexibility, T-bending forming, and applications such as IMD. The cured film shrinkage of L-6212 is very small, and it has good adhesion to plastic substrates with low polarity: PET, PE, PP and metal substrates: iron, aluminum, copper, etc. it has ultra-low viscosity and strong dilubility. It can be used as a monomer to improve the flexibility and adhesion of the coating. it has good compatibility with various UV resins and can be used in various UV coatings, UV inks, UV inkjet, UV varnish, and UV roller coating.

Technical Data

Appearance	Transparent liquid
Viscosity (25°C, CPS)	25-50
Color Value (Gardner)	≤1
UV Content (%)	100
Density (25°C,g/cm³)	1.1±0.1
Acid Value (mg KOH/g)	≤4
Refractive Index	1.486
Shore Hardness	87A
Functional Group	2

Product Features

Low viscosity, good leveling, high flexibility, good toughness
Excellent pigment wetting properties, low viscosity pigments and good anti-settling properties

Applications

UV adhesives; UV varnishes; UV plastic coatings; UV inkjet; UV screen printing inks; large-area UV coatings of PVC floors, PVC leather, paper, 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-6212 features ultra-low viscosity, 100% solid content, and is halogen-free with no irritating 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.