

L-6113 Low Viscosity UV Epoxy Resin

Description

L-6113 is a tetra-functional, low-viscosity modified UV epoxy acrylate resin with ultra-fast curing, very low film shrinkage, and soft-elastic properties. It enhances surface hardness and abrasion resistance in various UV-curable applications. This resin is low-odor, halogen-free, provides high gloss and good film build, and is fully compatible with all types of UV resins. It is widely used in UV coatings, UV inks, UV flexographic and gravure printing, UV-LED roller coatings, and other applications., etc.

Technical Data

Appearance	Low-viscosity transparent liquid
Viscosity (25°C, CPS)	800 - 1,500
Color Value (Gardner)	≤1
UV Content (%)	100
Density (g/cm ³ , 25°C)	1.1 ± 0.1
Acid Value (mg KOH/g)	4-8
Refractive Index	1.494
Shore Hardness	62D
Functional Group	4

Product Features

Fast curing with excellent film formation
Good balance of softness and hardness, with excellent scratch and abrasion resistance
Low viscosity and good compatibility with various resins
Low resin odor, no residual odor after curing

Applications

UV varnishes; UV screen printing inks; UV offset inks; UV coatings for plastic spraying, PVC flooring, leather coatings, wood roller coatings and other large-area applications.

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-6113 has low odor, is halogen-free, exhibits low shrinkage, and provides excellent pigment encapsulation.

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.