L-6460D Tin-free 4-functional UV Polyurethane Resin

Description

L-6460D It is a specially modified highly reactive 4-functional urethane acrylate resin. It doesn't contain organic tin. The product has low shrinkage, good adhesion, resistance to hand sweat, good cosmetic resistance, and solvent diluting resistance. It has excellent adhesion to various plastic substrates such as PC, ABS, PMMA, TAC, etc. It can also obtain good adhesion when used alone, and also has good adhesion to paper, wood, metal and other substrates. It can be used as the main resin for various UV topcoats and vacuum plating UV topcoats with high requirements such as vibration wear resistance for 2 hours.

Technical data

Appearance	Colorless transparent liquid
Viscosity (25ºC,CPS)	3,000 - 5,000
Chroma (Gardner)	≤1
UV component (%)	80±2
Density (g/cm³,25ºC)	1.1±0.1
Acid value (mg KOH/g)	2 - 6
Refractive index	1.481
Functional group	4

Performance

Excellent water resistance, excellent hand sweat resistance and cosmetic resistance

Good adhesion to various plastics, metals and coatings

Good color addition and compatibility with color concentrate

Low shrinkage, high curing rate

High leveling

Organic tin free

Applications

Various high requirements coatings: UV vacuum coatings, UV plastic coatings, UV silk printing varnish, various metal UV, 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(25ºC) and under ventilation.

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

Tips: L-6460D has good adhesion, good leveling. It's free of organic tin and can be applied to high requirement products.

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.