

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

Description

L-6460D is a specially modified, high-reactivity, 4-functional polyurethane acrylate resin that is tin-free. The product features low shrinkage, excellent adhesion, resistance to hand perspiration and cosmetics, and solvent thinning resistance. It provides excellent adhesion to various plastic substrates, including PC, ABS, PMMA, and TAC, and also exhibits good adhesion to paper, wood, metals, and other substrates. L-6460D is suitable as a base resin for high-performance UV topcoats and vacuum-metallized UV coatings.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	3,000 - 5,000
Color Value (Gardner)	≤ 1
UV Content (%)	80±2
Density (25°C, g/cm ³)	1.1±0.1
Acid Value (mg KOH/g)	≤ 5
Refractive Index	1.481
Functional Group	4

Product Features

Excellent water resistance, as well as resistance to hand perspiration and cosmetics
Good adhesion to various plastics, metals, and plated surfaces
High color development with excellent compatibility with colorants
Low shrinkage and fast curing
Good leveling
Organic tin free

Applications

Various high performance requirements coatings for vacuum metallization UV coatings, UV plastic coatings, UV screen printing varnishes, various metallic UV 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 per drum.

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.