

L-6601D Organotin-free 6-Functional UV Polyurethane

Description

L-6601D is a cost-effective aliphatic hexafunctional urethane acrylate resin free of organotin compounds. It features high reactivity, good hardness, very low shrinkage. The cured coatings provides outstanding solvent resistance, scratch resistance, and abrasion resistance, while maintaining excellent flexibility. Its yellowing resistance and weather resistance are moderate.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	20,000-36,000
Color Value (Gardner)	≤ 1
UV Content (%)	100
Density (25°C, g/cm ³)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 5
Shore Hardness	85D
Functional Group	6

Product Features

High cure rate with very low shrinkage
Low viscosity and excellent leveling
High hardness combined with good flexibility
Good adhesion
Tin-free formulation

Applications

Especially suitable for various plastic substrates and UV high-gloss clear coatings over silver-pigmented coatings, UV plastic coatings, UV screen printing varnishes, UV vacuum metallization topcoats, UV 3D printing resins, UV glue, 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-6601D is a cost-effective aliphatic 6-functional polyurethane acrylate resin free of organotin compounds, making it an ideal choice for mid- to low-end UV coating applications.

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.