

L-6601A Economical 6-functional UV Polyurethane Resin

Description

L-6601A is a highly cost-effective aliphatic 6-functional polyurethane acrylate resin with high reactivity, good hardness, low shrinkage. Cured coatings exhibit excellent solvent resistance, scratch resistance, and abrasion resistance, as well as high hardness. Its yellowing resistance and weathering performance are moderate.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (60°C, CPS)	2,500 - 5,000
Color Value (Gardner)	≤ 1
UV Content (%)	100
Density (25°C, g/cm³)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 5
Shore Hardness	85D
Functional Group	6

Product Features

High curing rate and low shrinkage
Excellent leveling, high build, and high viscosity
High hardness with outstanding toughness
Good adhesion and excellent heat resistance

Applications

Especially suitable for UV high-gloss varnishes on various plastic substrates and plastic silver powder coatings, UV plastic coating, UV screen printing inks, UV vacuum-metallized coatings, UV 3D printing resins, UV glues, 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-6601A is a cost-effective aliphatic 6-functional polyurethane acrylate resin with excellent abrasion resistance and high thermal stability.

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.