

L-6602A Aromatic 6-functional UV Polyurethane Resin

Description

L-6602A is an aromatic hexafunctional polyurethane acrylate resin featuring high reactivity and excellent hardness. The cured coating exhibits outstanding solvent resistance, scratch resistance, and abrasion resistance. It also provides high surface hardness, along with a well-balanced performance in yellowing resistance and weatherability.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (60°C, CPS)	2,000-4,500
Color Value (Gardner)	≤ 1
UV Content (%)	100
Density (25°C, g/cm³)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 2
Shore Hardness	85D
Functional Group	6

Product Features

Fast curing speed and high hardness
Excellent scratch and abrasion resistance
Good adhesion
High leveling and high film build

Applications

Particularly suitable for PVC plastic substrates, UV high-gloss clear coats, UV plastic coatings, wood UV coatings, paper UV coatings, UV screen printing varnishes, UV vacuum metallization topcoats, and 100% solids UV inks.

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 /25kg/ 200 kg per drum.

Tips: L-6602A is one of the most cost-effective aromatic hexafunctional grades and is a preferred 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.