Lencolo®
蓝柯路

TDS

2025/10/01

L-6602 Fast-Curing 6-functional UV Polyurethane Resin

Description

L-6602 is a cost-effective aromatic hexafunctional urethane acrylate resin with high reactivity and excellent hardness. The cured coatingprovides outstanding solvent resistance, scratch resistance, and abrasion resistance, along with high surface hardness. Its yellowing and weather resistance are moderate.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25ºC, CPS)	30,000 - 50,000
Color Value (Gardner)	≤ 1
UV Content (%)	100
Density (25ºC, g/cm³)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 2
Refractive Index	1.502
Shore Hardness	85D
Functional Group	6

Product Features

High curing speed, high hardness

Excellent scratch and wear resistance

Strong adhesion

Applications

Especially suitable for PVC plastic substrates, UV high-gloss varnishes, UV plastic coatings, UV wood coatings, UV paper coatings, UV screen printing varnishes, UV vacuum metallized topcoats, 100% solids UV Inks, 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 /25kg/ 200 kg per drum.

Tips: L-6602 is the most cost-effective aromatic hexafunctional polyurethane acrylate resin and 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.