

L-6900 Cost-effective 9-Functional UV Polyurethane Resin

Description

L-6900 is a 9-functional aliphatic polyurethane acrylate resin with high reactivity and high cross-linking density. Its cured films offer excellent solvent resistance, scratch resistance, and abrasion resistance, with high hardness, toughness without brittleness, and low yellowing. It is particularly suitable for high scratch- and wear-resistant UV coatings, UV anti-graffiti coatings, and UV scratch-resistant inks.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (60°C, CPS)	6,000-12,000
Color Value (Gardner)	≤ 2
UV Content (%)	≥ 98
Density (25°C, g/cm³)	1.1±0.1
Acid Value (mg KOH/g)	≤ 2
Refractive Index	1.494
Shore Hardness	87D
Functional Group	9

Product Features

High weather resistance, high yellowing resistance, good QUV lamp resistance

High hardness, high gloss, and good flexibility

High wear resistance, high scratch resistance

Applications

UV high-gloss varnishes; UV plastic coating; UV screen printing varnishes for primers and topcoats of metals and vacuum metallized substrates; PVC surface coating varnishes; UV paper coating; UV wood coating and 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-6900 features fast reactivity, excellent abrasion resistance, toughness without brittleness, and high cost-effectiveness.

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.