

L-6411 Monocoat Silver UV Polyurethane Resin

Description

L-6411 is a specially modified highly reactive 4-functional polyurethane acrylate resin. The product has low shrinkage, excellent adhesion, good leveling, resistance to hand perspiration and cosmetics, and solvent thinning resistance. It has excellent adhesion properties to PC, ABS, PMMA, aluminum and other substrates and can achieve good adhesion even when used alone. It also has good adhesion properties to paper, wood, metal and other substrates. It is suitable as a base resin for high-abrasion UV topcoats and vacuum-metallized UV coatings, as well as for monocoat UV color coatings.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	1,000 - 2,500
Color Value (Gardner)	≤ 1
UV Content (%)	76±2
Density (25°C, g/cm³)	1.1±0.1
Acid Value (mg KOH/g)	≤ 2
Refractive Index	1.477
Functional Group	4

Product Features

Excellent water resistance, as well as resistance to hand perspiration and cosmetics
Good adhesion to various plastics, metals and vacuum metallized layer
High color development with excellent compatibility with colorants, and good silver-line effect
Suitable as a base resin for monocoat UV color coatings, allowing recoating

Applications

Various high performance requirements for UV vacuum-metallized topcoats, UV plastic coatings, UV screen printing varnishes, monocoat UV silver and other metallic coatings, and various 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-6411 offers excellent pigment wetting and color development, making it an ideal base resin for monocoat UV silver coatings. It also provides good recoating ability, strong adhesion, and smooth leveling.

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.