

L-1010 PU Silver Plating Resin

Description

L-1010 is a specially modified hydroxyl acrylic resin. It has excellent silver powder arrangement effect, super metallic feel, and improves the hiding power of metallic pigments. Adding ordinary silver paste or pearlescent powder to electroplated silver has a strong effect. It has a good metallic feel; it has excellent compatibility with ABS, PC, PC+ fiber, PA and PA+ fiber, PMMA, FRP, and PU and UV varnish. It is environmentally friendly, halogen-free, has good flexibility, good adhesion, easy construction and leveling properties, and has excellent compatibility with PU and UV varnish.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	3,000 - 6,000
Solid Content (%)	40 ± 2
Acid Value (solid)	≤ 7 - 10 mg KOH/g
OH Value (solid content)	18 ± 3 mg KOH/g
OH % (solid content)	1.7
Tg	65 °C
Solvents	Toluene, butyl ester

Product Features

Excellent silver arrangement effect, the silver powder paint made with this resin has a good metallic feel, the silver powder is evenly arranged, and the silver does not fall off.

Excellent flexibility, good adhesion to the substrate, and good adhesion to the plating layer

Excellent interlayer adhesion, outdoor durability, good leveling, compatibility, and flexibility

It can be used in UV paint to adjust the flexibility of the coating film, reduce costs, and increase viscosity.

Reference Formula

Silver paint		Thinner	
L-1010 Resin	68	Toluene	25
Silver Paste	8	Ethyl acetate	30
Butyl ester	8	Butyl acetate	35
Toluene	9.7	PMA	10
20% CAB381-2	6		
Lencolo 3106	0.3		

In UV formulations, 5–10% can be added to adjust film properties and reduce costs.

Applications

UV silver primer; PU silver primer; UV varnish; vacuum plating primer, etc.

Precautions

It is a low hydroxyl PU. It can be added without curing agent or with 5-10% curing agent. The performance will be

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 / 25 kg / 190 kg per drum

Tips: L-1010 offers excellent silver flake orientation and good recoating properties. It can also be used in combination with other UV resins to enhance adhesion to metallic substrates.

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.