Lencolo®
蓝柯路

TDS

2025/10/01

L-1251 RCA Resistant PU Resin

Description

L-1251 is a hydroxyl-containing acrylic copolymer. At room temperature, it can be combined with a non-yellowing isocyanate to form a two-component system with excellent application performance, good silver pigment orientation, and outstanding compatibility. It is highly suitable for two-component silver or pearlescent coatings and also provides excellent physical and chemical properties as well as pigment dispersion; it can additionally be used for solid-color coatings. Notably, it exhibits excellent RCA resistance, up to around 200 cycles, and shows good adhesion to substrates such as ABS, PC, glass fiber–reinforced PC, PMMA, fiberglass, and various metals.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25ºC, CPS)	5,000 - 12,000
Solid Content %	50 ± 2
OH Value (solid content)	80 mgKOH/g
OH % (solid content)	2.4
Acid Value (solid)	6 mgKOH/g
Solvent	Toluene, butyl acetate

Product Features

Fast-drying; high hardness; excellent RCA resistance; good compatibility with CAB; with well-aligned silver pigments and strong intercoat adhesion

Reference Formula

Aluminum paint		Thinner	
L-1251 resin	60	Xylene	45
T-12 (drier)	0.1	Ethyl Acetate	20
20%CAB381-2	10	Butyl Acetate	25
Aluminum Silver Paste	7	PMA	10
Lencolo 3108	0.3		
Thinner	22.6		

Curing agent (N3390): 75

Main agent : Curing agent : Thinner = 7 : 1 : (5~8)

Applications

Two-component PU varnish or solid color paint and flash paint for various metals and plastics.

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-1251 has excellent RCA resistance, up to 200 cycles, suitable for products with high wear-resistance requirements.