

L-1257 High Weather-resistant & High Build PU Resin

Description

L-1257 is a high-solids, high-hydroxyl acrylic copolymer. When formulated with non-yellowing polyisocyanates at room temperature, it provides a two-component system with excellent application properties, outstanding weatherability, high film build, and broad formulation compatibility. It is particularly suitable for 2K clearcoats and offers exceptional chemical resistance.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	4,000 - 12,000
Solid Content %	70 ± 2
OH Value (solid)	139 mgKOH/g
OH % (solid)	4.2
Acid Value (solid)	8-12 mgKOH/g
Solvent	Butyl acetate, acetone

Product Features

Excellent weather resistance

High build, high gloss, excellent leveling

Good water and chemical resistance, ultra-fast drying, high DOI (Distinctness of Image)

Good alcohol resistance (over 3000 cycles), good resistance to butanone

Reference Formula

Aluminum paint		Thinner	
L-1257 resin	75	Xylene	45
T-12 (drier)	0.1	Ethyl Acetate	20
Lencolo 3160	0.4	Butyl Acetate	25
Lencolo 3108	0.2	PMA	10
Lencolo 8531	0.3		
Thinner	24		

Curing agent (N3390) : Butyl ester = 60 : 40

Main agent : Curing agent : Thinner = 3 : 1 : (1~2)

Applications

Automotive OEM coatings; motorcycle varnishes; high-demand plastic paints; two-component PU varnishes, solid color paints or metallic/pearl-effect coatings 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

Tip: L-1257 is high weather resistance, high build, excellent alcohol resistance (over 3000 cycles), good resistance to butanone (1 hour).

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.