

L-1200B Good Adhesion PU Resin for Inks

Description

L-1200B is an ultra-low-odor hydroxyl-containing acrylic copolymer with excellent pigment wetting properties that effectively prevent color floating and flocculation in coatings. It exhibits outstanding compatibility with polyester resins, epoxy resins, alkyd resins, and amino resins, while providing excellent lightfastness, color retention, and anti-yellowing performance. Its extremely low odor makes it particularly suitable for use in eco-friendly screen printing inks and low-odor coatings.

Technical data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	30,000 - 38,000
Solid Content %	55 ± 2
OH Value (solid content)	57 mgKOH/g
OH % (solid content)	1.7
Acid Value (solid)	2 - 5 mgKOH/g
Solvents	DBE

Product Features

Excellent adhesion to a wide range of substrates including plastics (ABS, PC, PC+fiber, PA, PA+fiber, PMMA, fiberglass, TPU) and metals (various stainless steels, tinplate, aluminum alloys, zinc alloys, magnesium alloys, copper, etc.).

Good compatibility with CAB, ensuring uniform silver powder orientation, strong interlayer adhesion, and excellent pigment dispersion.

Excellent recoatability; after screen printing and UV/PU topcoat followed by water boiling, adhesion remains strong.

Low odor and slow drying, preventing clogging in screen printing, making it ideal for specialty inks.

Reference Formula

PU Screen-Printing White Ink

L-1200B resin	60
T-12 (drier)	0.1
Titanium dioxide	30
Lencolo 4003	2
Lencolo 2190	0.4
Lencolo 3108	0.3
Thinner	7.2

PU Screen-Printing White Ink (3390) : Curing Agent = 12 : 1

Applications

PU glass ink; PU ceramic ink; PU hardware ink; General PU ink; Oven-curable metal ink

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 / 200 kg per drum

Tip: : L-1200B is mainly used for screen printing ink, with good adhesion to aluminum, stainless steel, glass, ceramics and other 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.