Lencolo®
蓝柯路

TDS

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L-6124A High-Pigment UV Polyester Resin for Offset Inks

Description

L-6124A is a high-viscosity difunctional (2 functional) polyester acrylate synthesized from polyacid esterification. It exhibits excellent pigment encapsulation and dispersion properties, maintaining smooth flow and extension even in high-pigment-content offset ink systems. The resin features low curing shrinkage, strong adhesion to difficult plastic substrates, and good water–ink balance, effectively reducing ink misting and splashing during high-speed printing.

Technical Data

Appearance	Light yellow transparent liquid
Viscosity (60ºC, CPS)	5,000-6,000
UV Content (%)	100
Density (g/cm3, 25℃)	1.1±0.1
Acid Value (mg	2-5
Refractive Index	1.453
Shore Hardness	70A
Functional Group	2

Product Features

Excellent gloss and color retention; outstanding pigment wettability

Good flow and leveling, ensuring high dot definition in high-speed printing

Excellent ink-water balance with strong anti-misting and anti-splashing performance

Applications

UV offset inks; UV screen printing; UV roller coating; UV coatings; and grindstock for color pastes, 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 / 200 kg drums.

Tips: L-6124A is environmentally friendly and halogen-free, effectively enhancing rapid flow performance in the system.

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.