L-6125A High-Flow UV Polyester Resin for Offset Inks

Description

L-6125A is a 4-functional polyacid-modified multifunctional polyester acrylate UV resin. It features fast curing, high film hardness, and low relative shrinkage, with excellent wetting and dispersion of both inorganic and organic pigments, and superior gloss and color retention. In UV offset inks, it provides anti-misting performance and excellent ink-water balance for high-quality printing.

Technical Data

Appearance	Light yellow transparent liquid
Viscosity (25ºC, CPS)	40,000-50,000
UV Content (%)	100
Density (g/cm³, 25℃)	1.1±0.1
Acid Value (mg KOH/g)	2-5
Refractive Index	1.51
Shore Hardness	70D
Functional Group	4

Product Features

High transferability with good anti-dry-roll performance

High flow, enhancing printing dot definition

High-speed printing provides excellent anti-splash and anti-ink flying performance

Good water-ink balance with excellent printing adaptability

Applications

UV offset printing inks; UV pigmented screen printing inks; UV screen printing varnishes; UV varnish for paper; UV metal coatings; and grindstock for UV 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-6125A features excellent pigment wettability, significantly enhancing pigment color strength and color saturation.