Lencolo®
蓝柯路

TDS

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L-8310 Soft Touch Elastic UV Resin

Description

L-8310 is a specially modified elastic spherical resin with a unique molecular structure, providing distinctive elongation and excellent adhesion to substrates. It imparts a leather-like, smooth, and elastic feel to the coating, with good drying, scratch resistance, and wear resistance. It exhibits excellent adhesion to PET and is recommended for use in soft touch UV coatings, PET inks, and can also be applied in peelable inks.

Technical Data

Appearance	Slightly Hazy, Semi-Transparent Liquid
Viscosity (25ºC，CPS)	200 - 700
UV Content (%)	100
Density (g/cm³, 25ºC)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 2
Refractive Index	1.469
Shore Hardness	65D
Functional Group	4

Product Features

Low shrinkage and excellent adhesion

Unique elongation and good curing properties

Excellent elasticity and smoothness, wear resistance, and pleasant tactile feel

Good RCA (Repeated Cycle Abrasion) resistance, exceeding 200 cycles

Compared to conventional two-component rubber coatings, it offers superior non-tackiness, higher production efficiency, energy savings, environmentally friendly, and low solvent emissions

Applications

Used in soft-touch UV coatings and can also be applied in peelable inks;

Widely used in smartphones, computers, mice, keyboards, and tactile plastic UV coatings, as well as UV soft-touch varnishes for paper and PET tactile inks.

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: 25 kg / 200 kg per drum

Tips: L-8310 has good soft touch skin feel, good application properties, no substrate etching, and well-balanced overall performance.

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.