

Lencolo 3100 Boiling-resistant Leveling Agent

Description

Lencolo 3100 is a polyether-modified polydimethylsiloxane solution containing acrylate functional groups. The acrylate groups can crosslink with polymers to form a network structure, permanently fixing on the coating surface. It provides excellent surface slip and tape release properties while improving leveling. It is particularly suitable for high-surface-quality 3C high-gloss UV topcoats and enhances boil-proof performance, minimizing the formation of pinholes after boiling.

Technical Data

Composition	Polyether Modified Polydimethylsiloxane Solution Containing Acrylic Functional Group
Appearance	Pale yellow liquid
Specific Gravity	1.04
Active Content	97%

Product Features

Containing acrylate functional groups, it can participate in UV crosslinking reactions. It provides high surface slip and excellent tape release properties, improves leveling, and maintains long-lasting performance. It also exhibits excellent boil-proof resistance.

Applications

Used in UV systems, water-based UV systems, solvent-based polyurethane coatings, water-based polyurethane coatings.

Recommended Usage

Dosage: 0.4–2.0% based on total formulation

Users are recommended to determine the optimal dosage through testing prior to use.

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 per drum

Tips: Lencolo 3100 is especially suitable for high-performance high-gloss UV and high-gloss PU systems. It participates in the curing reaction without causing pinholes and demonstrates outstanding boil-proof resistance.

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.