S-432 Silicone Leveling Agent

Structure or Component: Polyether-modified polydimethylsiloxane copolymer

Features and Applications: Similar to TEGO432, as a high-performance silicone surface additive, this representative agent is engineered to provide superior slip, wear resistance, and leveling properties in professional coating and ink systems. It excels in substrate wetting and smoothing, significantly reducing the surface coefficient of friction to create a highly slippery, tactile finish. Beyond enhancing surface gloss, it effectively promotes the stable orientation and leveling of pigments and fillers, ensuring a uniform and flawless appearance. This versatile additive is a critical component for formulators looking to dramatically improve scratch resistance and surface durability in water-based, solvent-based, and UV-curable applications..

Technical data

Exterior：	Light yellow to amber transparent liquid
Viscosity（25℃，mm2/s）	300-500
Density（25℃）	1.443-1.440
Non-volatile matter content（120℃/2，%）	>99

Application and addition amount:

Applications：

Printing Inks: Screen, gravure, and flexo inks; overprint varnishes and matte inks.

Coatings: Automotive, wood, furniture, plastic, industrial, and decorative coatings.

Digital Media: High-performance inkjet inks (UV, solvent, and water-based).

Usage & Dosage:

Recommended Dosage: * Standard: 0.05% – 0.1% of the total formula, UV & Water-based: 0.3% – 1.0% of the total formula.

Incorporation: Add during the paint mixing stage to ensure optimal distribution

Package: 25L/Barrel or 200L plastic/steel Barrel.

Store: Store in airtight container for 24 months, Store in a cool, dry place.

Transportation: transport as non-hazardous chemicals.

Special Note: Special Note: