S-450 Silicone Leveling Agent

Structure or Component: Polyether-modified polydimethylsiloxane copolymer

Features and Applications: Similar to TEGO450, As a high-performance specially modified polysiloxane, this product serves as a representative silicone surface additive that delivers an exceptional balance of flow, leveling, and strong slip properties. It is engineered to provide superior substrate wetting and anti-cratering performance while reducing the airflow sensitivity of coatings during the drying process. By effectively preventing the formation of Bénard cells (vortices), it ensures a flawless surface with enhanced gloss and uniform pigment orientation. This versatile additive significantly boosts the slipperiness, scratch resistance, and anti-blocking characteristics of the film without compromising recoatability. It is highly compatible across a wide range of systems, making it an ideal choice for solvent-based, solvent-free, and waterborne coatings.

Technical data

Exterior：	Light yellow to amber transparent liquid
Viscosity （25℃ , mm2/s)	200-500
Density （25℃)	1.430-1.440
Non-volatile matter content （120℃/2, %）	>97

Application and addition amount:

Applications：

Car OEM coatings, car repair coatings.

Wood coatings, wood, furniture, plastic, industrial, and decorative coatings.

Recommended Dosage: * Standard: 0.05% – 0.1% 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:

The technical parameters provided in this document are typical values for reference only and are not intended as product acceptance standards. Changes may be made without notice. Due to differences in usage conditions, we cannot guarantee the correctness and applicability of the product for certain uses and purposes, and do not assume any liability for any direct, indirect, or accidental losses arising therefrom. Users should conduct relevant tests or consult our technical staff before using the product