



304S

Anti-float dispersing agent



Overview

304S is an anionic copolymer of carboxylic acid and siloxane, primarily used as a dispersant in solvent-based coatings and inks. It prevents flocculation and blooming phenomena when used in conjunction with titanium dioxide and other pigments, and prevents the sedimentation and hardening of pigment fillers.

Physicochemical Properties

Appearance	Yellow-brown liquid	Composition	Copolymer of high molecular weight carboxylic acid and siloxane.
Solid Content	50.0±3.0 %	Solvent	XYL/DIBK
Density	0.94 g/ml		

Characteristics and Advantages

To lower the surface tension between hydrophilic pigments and hydrophobic substrates, and to improve pigment wetting and dispersibility. It achieves controlled flocculation between pigment and substrate by adsorbing polar groups onto the pigment surface, thereby preventing the formation of floating color and blooming.

- Minimal resin selectivity, wide application range;
- Excellent flowability and good wetting properties;
- Prevents and resolves floating color and blooming phenomena during paint mixing or tinting processes;
- Despite being a siloxane copolymer, it does not exhibit common silicone defects;
- Facilitates the dispersion and directional arrangement of matting agents and aluminum flakes.

Dosage

Before grinding:

- For inorganic pigments: 0.5-3.0%
- For organic pigments: 2.0-5.0%

After grinding: For total amount: 0.1-1.5%

Application

In a medium to high polarity solvent-based system.

Precautions & Storage

Product storage should be in a cool, well-ventilated area with containers tightly sealed and kept away from heat and sources of ignition. Store between 0-40 °C. Below 5 °C, the appearance may become turbid or separate. Heat to clarify and stir thoroughly before use.

Safety

Refer to MSDS

Packaging

25 KG/barrel