

# Silicone Defoamer — INVINO 4680

Polyether-modified Polysiloxane Compound with Hydrophobic Particles

## Overview

INVINO 4680 is a polyether-modified polysiloxane compound containing hydrophobic particles. It delivers extremely strong defoaming power and foam-suppression performance, especially suited for solvent-free systems and high-viscosity formulations. Recommended for screen printing inks, epoxy floor coatings, unsaturated polyester systems, UV inks, etc.

## Product Characteristics

Type: Modified polysiloxane, containing hydrophobic particles

## Key Features

- Rapid foam-breaking and strong defoaming, especially effective in high-pigment-content and high-viscosity formulations
- Particularly recommended for screen printing inks, epoxy floor coatings, unsaturated polyester systems, UV inks; also suitable for airless spraying, dip coating, and flow coating
- Best results when added before grinding or before mixing. If added at a later stage, ensure thorough stirring
- Please evaluate compatibility in transparent systems
- Due to high solids content, it may be pre-diluted with solvent to 10–30% before addition. As it contains hydrophobic particles, use promptly after dilution
- Viscosity increase at low temperatures is normal — stir well before use

## Application Systems and Dosage

- Suitable for solvent-borne and solvent-free systems with pigment content
- Generally 0.2–1% based on total formulation weight; recommended to add at the grinding stage

## Physical and Chemical Properties

| Property             | Reference Value                                         |
|----------------------|---------------------------------------------------------|
| Components           | Modified polysiloxane, containing hydrophobic particles |
| Appearance           | Semi-transparent to turbid liquid                       |
| Non-volatile content | ca. 98% (150°C / 30 min)                                |

## Packaging

- 25 KG plastic drum
- 200 KG plastic drum

*Our technical suggestions are based on data from many experiments and cannot represent a warranty of any kind as to their performance in other formulations. Customers must always verify our product's performance in their own systems. This technical data sheet replaces all previous issues.*

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## Storage Stability

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When stored in the original unopened container at -4 to +40°C, the product has a shelf life of at least 24 months from the date of manufacture.

*Note: This technical data sheet is intended to provide basic product information to technicians in coatings, inks, and related fields, for R&D reference only. It does not constitute any warranty. Please pre-test for suitability.*

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