# BYK-1812

PFAS-free, silicone-containing defoamer for solvent-borne and solvent-free printing inks, inkjet inks, and PVC plastisols.

## Product data

**Composition**
Blend of polysiloxanes and polyethers

PFAS-free

**Typical properties**
The values indicated in this data sheet describe typical properties and do not constitute specification limits.

| | |
|---|---|
| Density (20 °C): | 1.02 g/cm³ |
| Non-volatile matter (10 min, 150 °C): | 89 % |
| Carrier: | polypropylene glycol |
| Flash point: | > 150 °C |
| Delivery form: | dispersion |

**Storage and transportation**
Product shelf life in unopened original packaging: 36 months
Stir before use.

## Applications

### Inkjet inks

**Special features and benefits**
BYK-1812 is a highly effective defoamer for solvent-borne and solvent-free inkjet inks. Even at low dosing levels, optimal and spontaneous defoaming can be achieved.

**Recommended use**

| | |
|---|---|
| Ceramic inkjet inks | ■ |
| Continuous inkjet inks | ■ |

■ Especially recommended ▢ Recommended

**Recommended levels**
0.1-1 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

**Incorporation and processing instructions**
To achieve optimal defoaming, the additive should be incorporated into the liquid phase with sufficient shear forces before other components are added. It can also be added to finished systems.

## Printing inks

### Special features and benefits
BYK-1812 is a highly effective defoamer for solvent-borne and solvent-free printing inks. Even at low dosing levels, optimal and spontaneous defoaming can be achieved.

### Recommended use

| | |
|---|---|
| Screen printing inks | ■ |

■ Especially recommended ☐ Recommended

### Recommended levels
0.1-1 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

### Incorporation and processing instructions
To achieve optimal defoaming, the additive should be incorporated into the binder with sufficient shear forces before other components are added. It can also be added to finished systems.

## PVC plastisols

### Special features and benefits
BYK-1812 is a highly effective defoamer for PVC plastisols. Even at low dosing levels, optimal and spontaneous defoaming can be achieved.

### Recommended use
The additive is recommended for all PVC plastisol applications.

### Recommended levels
0.1-1 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

### Incorporation and processing instructions
The additive can be added during the preparation of PVC plastisols or post-added.



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