

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/cm ³
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	
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 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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