

BYK-322

Silicone-containing surface additive for solvent-borne coating systems with a slight reduction of surface tension and slight increase of surface slip. Thermostable up to 250 °C.
Good leveling with defoaming properties.

Product Data

Composition

Aralkyl-modified polymethylalkylsiloxane

Typical Properties

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

Density (20 °C): 0.95 g/ml

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Applications

Coatings Industry

Special Features and Benefits

The additive provides a slight reduction of the surface tension of coating systems. BYK-322 is a silicone leveling additive which does not stabilize foam and in many systems has a defoaming effect. It is thermostable up to 250 °C and does not negatively impact intercoat adhesion.

Recommended Use

The additive is particularly recommended for all solvent-borne coatings.

Recommended Levels

0.01-0.4 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The additive can be incorporated during any stage of the production process, including post-addition.

Special Note

Unlike with so-called silicone oils, this additive is very user-friendly. Nevertheless, before use it should be determined in a series of tests whether foam is stabilized in certain systems. Similarly, the recoatability and cratering should be checked.

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Data Sheet
Issue 10/2012

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This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases.

This issue replaces all previous versions – Printed in Germany