

BYK-3763

Silicone-containing surface additive with a strong reduction in the surface tension of thermosets. Improves substrate wetting and prevents surface defects.

Product Data

Composition

Solution of a polyether-modified polydimethylsiloxane

SVHC label-free
(EU SDS)

Typical Properties

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

Density (20 °C):	0.98 g/ml
Non-volatile matter (60 min., 105 °C):	51 %
Solvents:	Methoxypropylacetate
Flash point:	46 °C

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.

Special Note

BYK-3763 is a low-cycle version of BYK-330. The cyclic siloxane content D4 / D5 / D6 is in each case less than 0.1 %, therefore the SVHC label is not required in the safety data sheet.

Applications

Thermosets

Special Features and Benefits

BYK-3763 is a highly effective silicone additive and provides a strong reduction in surface tension. It thereby improves the wetting of critical substrates such as molds treated with release agents. It also prevents the formation of craters or fish eyes and facilitates the acceptance of spray mist or dust.

Recommended Use

BYK-3763 is recommended for systems based on unsaturated polyester resins, such as gel coats.

Recommended Levels

0.1-0.3 % additive (as supplied) based on the 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. It has proven successful to add BYK-3763 at the end of the process to avoid any foam stabilization.

Special Note

Unlike so-called silicone oils, this additive is very user-friendly. However, before use, one should determine in a test series whether surface defects occur in certain systems.



Additive Guide



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