

BYK-L 9566

OH-functional, silicone-containing surface additive for solvent-borne and high-solid polyurethane (PU), especially in coated fabrics. Also suitable for use in polymerization processes of PU and polyurethane dispersions (PUD).

Product data

Composition

Polyether-modified polydimethylsiloxane, hydroxy-functional

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):	1.03 g/cm ³
Non-volatile matter (10 min, 150 °C):	99.5 %
Refractive index (20 °C):	1.440
OH value:	35 mg KOH/g
Delivery form:	liquid

Storage and transportation

Product shelf life in unopened original packaging: 36 months

Separation or turbidity may occur at temperatures below 5 °C. Warm to 20 °C and stir.

Special note

BYK-L 9566 is a low-cycle version of BYK-L 9565. 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

Leather finishes and coated fabrics

Special features and benefits

BYK-L 9566 improves the leveling properties and wetting of release papers and is ideal for universal use, irrespective of the type of coating and the pattern of the release paper. The additive also enhances the wetting of woven and non-woven substrates, reduces the formation of pinholes, improves scratch and abrasion resistance, and provides better anti-blocking properties. Due to the OH functionality, the additive can also be used in PU and PUD polymerization processes to impart permanent surface slip, flexibility, and a soft-feel effect.

Recommended use

Wet process	<input checked="" type="checkbox"/>
Dry process	<input checked="" type="checkbox"/>
Solvent-borne PU polymerization processes	<input checked="" type="checkbox"/>
Aqueous PUD polymerization processes	<input checked="" type="checkbox"/>

especially recommended recommended

Recommended levels

0.1-0.3 % additive (as supplied) based on the ready-for-use PU solution.

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 should be added while stirring to ensure good incorporation. If the additive is used in polymerization processes, incorporation is highly dependent on the pH value, the time of addition within the polymerization process, and other factors. In this case, it is therefore recommended to contact our Technical Service team for support to ensure optimum processing.



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