

BYK-L 9569

OH-functional, silicone-containing surface additive for solvent-borne 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):	1.04 g/cm ³
Non-volatile matter (10 min, 150 °C):	approx. 99.6 %
Flash point:	> 100 °C
Refractive index (20 °C):	1.442
OH value:	approx. 57 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 10 °C. Warm to 20 °C and stir.

Special note

BYK-L 9569 is a low-cycle version of BYK-L 9568. 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

In the wet process, BYK-L 9569 produces improved flow/leveling of the PU solution during coating, as well as a soft-feel effect, and better anti-blocking properties in the final PU-coated fabric. In the dry process, the additive provides optimized wetting and better leveling of the PU solution on the release paper, facilitates release from the paper after drying, and improves the anti-blocking properties. In addition, scratch and abrasion resistance is improved, and the formation of craters and pinholes reduced. Due to the OH functionality, it 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

0.1-0.5 % 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 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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