BYK-L 9568

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

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

Density (20 °C):	1.04 g/ml
Non-volatile matter (10 min, 150 °C):	> 97 %
Flash point:	> 100 °C
Refractive index (20 °C):	1.440
OH value (solids):	Approx. 60 mg KOH/g

Storage and transportation
Separation or turbidity may occur at temperatures below 10 °C.

Applications

Leather finishes and coated fabrics

Special features and benefits
In the wet process, BYK-L 9568 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. 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
The additive is recommended for both the wet process and the dry process. It can also be used in solvent-borne and aqueous polymerization processes to produce solvent-borne PU or aqueous PUD.

Recommended levels

0.1–0.5 % additive (as supplied) based on 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 under 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 for support to ensure optimum processing.

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