

BYK-L 9565

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

Product data

Composition

Hydroxy-functional, polyether-modified polydimethylsiloxane

Typical properties

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

Density (20 °C):	1.03 g/ml
Active substance:	100 %
Refractive index (20 °C):	1.439
OH value (solids):	Approx. 35 mg KOH/g

Storage and transportation

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

Applications

Leather finishes and coated fabrics

Special features and benefits

BYK-L 9565 improves the leveling properties and the 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 improves the wetting of woven and non-woven substrates and reduces the formation of pinholes. 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

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

0.1–0.3 % 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 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 recommended to contact our technical service team for support to ensure optimum processing.



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This issue replaces all previous versions.