

BYK-P 9912

Processing additive with internal release properties for unfilled, filled and fiber-reinforced polyurethane systems.

Product Data

Composition

Combination of surface-active substances

Typical Properties

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

Density at 20 °C:	0.9500 g/cm ³
Refractive index n _{20/D} :	1.472
Non-volatile matter (10 min., 302 °F):	> 99 %
Flash point:	> 230 °F

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.

Applications


Ambient Curing Systems

Special Features and Benefits

BYK-P 9912 is liquid and was specifically developed for use as processing additives in polyurethane systems. Due to additional internal mold release properties, it accelerates the production process by significantly reducing the time that the mold is idle. BYK-P 9912 has no negative impact on processing parameters such as viscosity and reactivity. No negative influence on the mechanical properties of the finished component could be observed.

Recommended Use

Unfilled, filled and fiber-reinforced polyurethane systems	
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 especially recommended

Recommended Levels

2-3 % additive (as supplied) based on the total formulation (polyol and isocyanate).

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

BYK-P 9912 can be added directly to the polyol or isocyanate components. Incorporating the additive in the polyol components at an early stage, before other raw materials, is particularly recommended. It is also possible to dose the additive into the pre-mixed system. A thorough and homogeneous distribution of the additive is necessary to achieve the best possible mold release.

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Additive Guide



BYK USA Inc.
524 South Cherry Street
P.O. Box 5670
Wallingford, CT 06492
USA
Tel 203 265-2086
Fax 203 284-9158

cs.usa@byk.com
www.byk.com

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