

BYK-P 9065

Processing additive for low-shrink SMC and BMC with mold release properties.

Product Data

Composition

Combination of surface-active substances and polymers

Typical Properties

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

Acid value:	142 mg KOH/g
Density (20 °C):	0.95 g/ml
Refractive index (20 °C):	1.48
Non-volatile matter (10 min., 150 °C):	> 97 %
Flash point:	> 100 °C

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

SMC, BMC

Special Features and Benefits

BYK-P 9065 is a processing additive with mold release properties for low-shrink SMC and BMC. The zinc stearate that is usually used as a mold release agent is completely replaced by the additive, which simplifies raw material handling. Separation of the LS-SMC/BMC compounds is avoided and thus cobwebbing is reduced. Scrap rate is lowered due to reduced shrinkage and less warping. This is supported by higher gloss, lower haze, improved color homogeneity and a generally higher surface appearance of the finished parts. If the finished parts are to be painted or bonded, no sanding is required, as BYK-P 9065 is firmly anchored in the cured resin and does not migrate to the surface. Due to the low dosage of the additive, it is virtually cost neutral.

Einsatzempfehlungen

SMC (LS)	<input checked="" type="checkbox"/>
BMC/DMC	<input type="checkbox"/>

☒ especially recommended ☐ recommended

BYK-P 9065 is recommended only for LS compounds.

Recommended Levels

2-2.5 % additive (as supplied) based on the total resin; up to 4 % for very highly filled systems.

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

Incorporation and Processing Instructions

Incorporate whilst stirring after the UP resin and LS components have become homogenized. Traditional release agents should be removed from the formulation.



Additive Guide



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