

# 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:	149 mg KOH/g
Density (68 °F):	7.93 lbs/US gal
Refractive index (68 °F):	1.48
Non-volatile matter (10 min., 302 °F):	> 97 %
Flash point:	> 212 °F

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://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.

#### Recommended Use

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



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**

ANTI-TERRA®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, DISPERBYK®, DISPERPLAST®, LACTIMON®, NANOBYK®, PAPERBYK®, SILBYK®, VISCOBYK®, and Greenability® are registered trademarks of BYK-Chemie. ACTAL®, ADJUST®, ADVITROL®, ASTRABEN®, BENTOLITE®, CLAYTONE®, CLOISITE®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, LAPONITE®, MINERAL COLLOID®, OPTIBENT®, OPTIFLO®, OPTIGEL®, PURE THIX®, RHEOCIN®, RHEOTIX®, RIC-SYN®, TIXOGEL®, and VISCOSEAL® are registered trademarks of BYK Additives. AQUACER®, AQUAMAT®, AQUATIX®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera. SCONA® is a registered trademark of BYK Kometra.

The information and data stated herein, although in no way guaranteed, are based upon tests and reports considered to be reliable and are believed to be accurate. No warranty, either expressed or implied, is made or intended. Use by a customer should be based upon their own investigations and appraisals. Any recommendation should not be construed as an invitation to use a material in infringement of patents.  
This issue replaces all previous versions – Printed in the USA