

# BYK-P 9080

Processing additive for low-profile and class A SMC systems 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:	77 mg KOH/g
Density (68 °F):	8.10 lbs/US gal
Non-volatile matter (10 min., 302 °F):	> 98 %
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.

### Storage and Transportation

To be stored and transported at a temperature below 40 °C (104 °F). When storing below 0 °C (32 °F), the product can thicken so that it is no longer possible to process it. After heating up to 20 °C (68 °F) and homogenizing, the product can be used again without any loss of effectiveness. Heating up in excess of 40 °C (104 °F) can cause a thickening that cannot be reversed.

## Applications

### SMC

#### Special Features and Benefits

BYK-P 9080 is a processing additive for low-profile and Class A SMC. It stabilizes the compound and improves the flow behavior. Due to its excellent mold release properties, it completely replaces traditional release agents. BYK-P 9080 brings about both an improved surface quality of the component as well as a better coating adhesion and adhesive bonding.

#### Recommended Use

SMC (low-profile)	<input checked="" type="checkbox"/>
Class A SMC	<input checked="" type="checkbox"/>
SMC (low-shrink)	<input type="checkbox"/>

☒ especially recommended   ☐ recommended

**Recommended Levels**

4-5 % additive (as supplied) based on the total resin.

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/LP components have become homogenized. Traditional release agents should be removed from the formulation. The additive has an influence on the thickening. An additional dosage of 10% MgO may be required to achieve a thickening that is comparable to Zn/Ca-stearate systems.



Additive Guide



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