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 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)	■
Class A SMC	■
SMC (low-shrink)	□

■ 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.

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