

BYK-P 9065

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

Product data

Composition

Modified fatty acid

Typical properties

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

Density (20 °C):	0.95 g/cm ³
Non-volatile matter (10 min, 150 °C):	> 97 %
Flash point:	> 100 °C
Refractive index (20 °C):	1.48
Acid value:	142 mg KOH/g
Delivery form:	liquid

Storage and transportation

Product shelf life in unopened original packaging: 36 months
 To be stored and transported at a temperature below 50 °C.

Applications

Thermosets

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)	☒
BMC/DMC	☐

☒ 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. The optimum dosage should be determined by application-related test series.

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.



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