BYK-W 9011

Wetting and dispersion additive for SMC, BMC, and pultrusion to reduce the viscosity of fillers and pigments in LP and LS systems as well as in highly filled epoxy formulations. Not suitable for cobalt-accelerated systems. For low-emission formulations. Cost-effective alternative to BYK-W 9010.

Product Data

Composition
Copolymer with acidic groups

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

Acid value:	65 mg KOH/g
Density (20 °C):	1.11 g/ml
Refractive index (20 °C):	1.465
Water content:	0.13 %
Active substance:	100 %

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
Separation or turbidity may occur during storage and transportation. Warm to > 30 °C and mix well.

Special Note
BYK-W 9011 is not recommended for use in ambient curing, cobalt-accelerated resins because the curing process may be inhibited.

Applications

SMC, BMC, Pultrusion

Special Features and Benefits
BYK-W 9011 improves the wetting and dispersion of the most common fillers such as calcium carbonate and ATH (aluminum trihydroxide). The additive reduces viscosity which enables higher filler content. The improved wetting and dispersion of the fillers results in improved homogeneity and also optimizes batch reproducibility. In BMC formulations BYK-W 9011 is recommended for viscosity stabilization.

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Recommended Use

BYK-W 9011 is solvent-free and particularly recommended for formulations in which solvents need to be avoided.

Low emission SMC/BMC	■
LP and Class A formulations	■
LS formulations	■
Pultrusion	■
Epoxy systems	□

■ especially recommended □ recommended

Recommended Levels

0.5-1 % additive (as supplied) based on fillers/pigments for wetting and dispersion.
0.25-1 % additive (as supplied) based on the resin in BMC for viscosity stabilization.

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

Incorporation and Processing Instructions

The additive should be added to the resin mixture prior to homogenization and the addition of the fillers/pigments.

Additive Guide

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