

# BYK-W 974

Wetting and dispersing additive for SMC/BMC and pultrusion to homogenize and stabilize the system, and to increase the color homogeneity in molding compounds. Improved fiber wetting and therefore optimized properties. Anti-separation additive. Economical alternative to BYK-W 972.

## Product Data

### Composition

Solution of a high molecular weight block copolymer with pigment affinic groups

### Typical Properties

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

Amine value:	10 mg KOH/g
Density (20 °C):	0.98 g/ml
Refractive index (20 °C):	1.475
Non-volatile matter (20 min., 150 °C):	45 %
Flash point:	26 °C

### 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, Pultrusion

#### Special Features and Benefits

Additive to prevent phase separation in PS-UP filled molding compounds. It improves the pigment dispersion and pigment stability in LS systems. In SMC and in pultrusion applications, BYK-W 974 optimizes the wetting of carbon fibers and therefore the mechanical properties.

#### Recommended Levels

- 0.5-1 % additive (as supplied) based upon the resin, to prevent phase separation.
- 0.5-1 % additive (as supplied) based upon the fiber content, for fiber wetting.
- 30-100 % additive (as supplied) based on the pigment, to stabilize organic pigments and carbon blacks.

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

#### Incorporation and Processing Instructions

BYK-W 974 should be homogenized in the resin mixture before incorporating in the fillers/pigments.



Additive Guide



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