

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 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.

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Datasheet
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