

## BYK-MAX P 4102

Combined processing additive for the use in polyolefins to improve the dispersing of pigments and mineral fillers, increase the throughput and reduce the viscosity and filter pressure value.

### Product Data

#### Composition

Solution of a hydroxyfunctional carboxylic acid ester with pigment affinic groups

#### Typical Properties

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

Loose bulk density: 270 kg/m<sup>3</sup>

Drop point: > 75 °C

Supplied as: Powder

#### Food Contact Legal Status

The additive is suitable for applications that come into contact with food. 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.

#### Storage and Transportation

Temperature sensitive. To be stored and transported at a temperature below 50 °C.

### Applications

#### Thermoplastics

##### Special Features and Benefits

BYK-MAX P 4102 adsorbs on the surface of the fillers and pigments, therefore bringing about an optimum processing and dispersion during extrusion. It improves the torque build-up, throughput, viscosity (MVR), filter pressure value (FPV) and dispersion quality.

##### Recommended Use

The additive is particularly recommended for filled thermoplastic compounds and color masterbatches based on PE and PP, but also for ABS, PA and PVC.

##### Recommended Levels

Amount of additive (as supplied) based upon:

Mineral fillers: 0.25-2 %

Inorganic pigments: 3-15 %

Organic pigments: 10-30 %

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

## Incorporation and Processing Instructions

The product can be added to the fillers, pigments or the polymer both during or prior to compounding.



Additive Guide



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