

# BYK-MAX P 4109

Fluorine-free processing aid formulation to reduce the melt viscosity, increase the throughput, and avoid melt fracture and die build-up in various polyolefins.

## Product data

### Composition

Processing aid composition in a low density polyethylene carrier

PFAS-free

### Typical properties

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

MFR (190 °C, 2.16 kg): 10 g/10 min  
 Color: off-white  
 Delivery form: pellet

### Storage and transportation

To be stored and transported at a temperature below 45 °C. Store dry.

## Applications

### Thermoplastics

#### Special features and benefits

BYK-MAX P 4109 is a highly effective, fluorine-free processing aid that lowers the viscosity of the polymer melt during processing by reducing the friction between the melt and the metal surfaces of the processing equipment. As a result, the additive increases production efficiency, reduces die pressure, and prevents melt fracture. It can also reduce die build-up. BYK-MAX P 4109 is particularly suitable for formulations based on polyolefins.

#### Recommended use

Fibers	<input checked="" type="checkbox"/>
Thick films and sheets	<input checked="" type="checkbox"/>
Thin films	<input checked="" type="checkbox"/>
Extrusion and blow molding parts	<input checked="" type="checkbox"/>
Injection and compression molding parts	<input type="checkbox"/>

especially recommended  recommended

#### Recommended levels

0.5–3 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

**Incorporation and processing instructions**

The product can be added via volumetric or gravimetric dosing units during manufacture.



Your local  
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