

# BYK-MAX AS 4170

Granulated antistatic agent for the use in polyolefins to reduce the surface resistivity.

## Product Data

### Composition

Additive concentrate

### Typical Properties

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

Supplied as: Off-white granulate

### 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.

### Storage and Transportation

Store in a cool, dry and well-ventilated location.

## Applications

### Thermoplastics

#### Special Features and Benefits

BYK-MAX AS 4170 contains a synergistic mixture of highly concentrated anti-static additives. The highly effective mixture used in this product reduces the surface resistance of polyethylene and polypropylene. The balanced ratio between rapid and controlled migrating anti-static additives not only offers a rapid anti-static effect but also long-lasting protection against dust attraction and other problems caused by electrostatic charge. At a dosage of 1 %, BYK-MAX AS 4170 reduces the surface resistance to less than  $10^{11}$  Ohm within 24 hours. It is characterized by outstanding demolding of the injection-molded products and good cost-effectiveness. BYK-MAX AS 4170 consists of non-adhesive granulates, it is dust-free as well as being safe and easy to handle.

#### Recommended Use

|  |   |
|--|---|
| Thermoformed and injection-molded PP or PE | ■ |
| Food packaging                             | ■ |
| Films                                      | ■ |
| Household products                         | ■ |

■ especially recommended    □ recommended

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### Recommended Levels

0.4-1.5 % additive (as supplied) based upon the total formulation.

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 can be added via volumetric or gravimetric dosing units during processing in all types of extruders and injection molding machines.

### Special Note

The product can be used at temperatures of up to 280 °C. To achieve the optimum anti-static effect, the relative humidity of the surrounding atmosphere must be at least 45 %.



Additive Guide



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