BYK-MAX HS 4334

Granulated long-term thermal stabilizer based on inorganic and organic stabilizers for use in PP-GF.

Product Data

Composition
Additive formulation

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

Bulk density:	500-650 kg/m³
Active substance:	45 %
Supplied as:	Black granulate

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.

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

Applications

Thermoplastics

Special Features and Benefits
BYK-MAX HSB 4334 consists of a combination of thermal stabilizers and carbon black. The stabilizers inhibit thermo-oxidative decomposition by intercepting radicals and decomposing reactive peroxides. BYK-MAX HSB 4334 also has a very positive influence on long-term heat aging (LTHA), which makes it possible to comply with the automotive standard specifications more easily. Depending on the glass fiber content, adding approx. 2 % of the additive can achieve a long-term heat aging duration of 1200 hours at 150 °C. BYK-MAX HSB 4334 consists of a non-adhesive granulate, and is dust-free as well as being safe and easy to handle.

Recommended Use

Long fiber-reinforced pellets for automotive parts	■
Underbody paneling	■
Screens	■
Structural components	■

■ especially recommended □ recommended

Recommended Levels

2 % additive (as supplied) based on the total formulation for 20-30 % glass fiber content.
2.6 % additive (as supplied) based on the total formulation for 40 % glass fiber content.

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 extruders and injection molding machines.

Special Note

The product is suitable for processing at temperatures up to 300 °C.

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