

BYK-MAX HS 4301

Granulated long-term thermal stabilizer for the use in polypropylene compounds.

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: White granulate

Storage and Transportation

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

Applications

Thermoplastics

Special Features and Benefits

BYK-MAX HS 4301 consists of a combination of thermal stabilizers. The thermal stabilizers inhibit thermo-oxidative decomposition by intercepting radicals and decomposing reactive peroxides. BYK-MAX HS 4301 also has a very positive influence on long-term heat aging (LTHA), which makes it possible to achieve 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.

Recommended Use

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

■ especially recommended □ recommended

Recommended Levels

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



Additive Guide



BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

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