

BYK-MAX HS 4300

Granulated carrier-free long-term thermal stabilizer for use in polyamide compounds.

Product Data

Composition

Additive formulation

Typical Properties

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

Active substance: 100 %

Supplied as: Rod-like granules

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.

Special Note

The product tends to hydrolyze when exposed to humidity. The degree of hydrolysis depends on temperature, humidity, and the length of exposure. This can cause a change in color from white to grey/greenish.

This change typically has no influence on the efficiency of the product.

Applications

Thermoplastics

Special Features and Benefits

BYK-MAX HS 4300 provides a complete thermal stabilization system for polyamide fibers, films and thick sections. In addition, it offers maximum polyamide melt solubility of any copper-containing additive packages for polyamide systems. Copper-based systems are especially effective in applications where long-term thermal stability is needed. BYK-MAX HS 4300 is a single formulation that contains all of the components necessary for polyamide thermal stabilization. This formulation is available in the form of a granulate that can be dosed, and also as low-dust pellets, which enables ease of addition and a healthier work environment for the employee.

BYK-MAX HS 4300 also offers the following benefits:

- The dosable form is free-flowing and doesn't bridge in processing equipment.
- Provides for a more uniform distribution of the additive in the polymer.
- Available in pellet or granulate form.

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Recommended Use

Vehicle engine bays	■
Vehicle interiors	■
Fibers	■
Wires & cables	■

■ especially recommended □ recommended

Recommended Levels

0.1 % to 1.0 % depending on the application.

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

Incorporation and Processing Instructions

BYK-MAX HS 4300 is easily dispersed into the polyamide by using conventional extrusion compounding techniques.

Special Note

BYK-MAX HS 4300 has the highest level of synergy with other plastic additives, including light absorbers, HALS, other stabilizers and more.



Additive Guide



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