

BYK-MAX HS 4304

Granulated carrier-free thermal stabilizer masterbatch based on inorganic salts for use in polyamide compounds to increase the thermal stability.

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

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 of color from white to grey/greenish. This change typically does not affect the efficiency of the product.

Applications

Thermoplastics

Special Features and Benefits

BYK-MAX HS 4304 provides a complete thermal stabilization system for filled and unfilled polyamide high build applications. Copper-based systems are especially effective in applications where long-term thermal stability is needed.

BYK-MAX HS 4304 is a complete formulation that contains all of the components necessary for polyamide thermal stabilization. This formulation is available in granules and low-dust pellets, making it easier to incorporate while enabling a healthier work environment for the employee.

BYK-MAX HS 4304 also provides the following benefits:

- The easy-to-dose form is free-flowing and does not block the processing equipment.
- Provides for a more uniform distribution of the additive in the polymer.
- Available in pellet form and granular form.

Recommended Use

Engine Compartment Parts	☒
Automotive Interior	☐
Wires & Cables	☐

☒ especially recommended ☐ recommended

Recommended Levels

0.1 % to 1.0 % additive (as supplied) based on the total formulation, 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 4304 can be dispersed into the polyamide by using conventional double-screw compounding techniques.

Special Note

BYK-MAX HS4304 has high synergistic effects with other plastics additives, including light absorbers, HALS, other stabilizers and more.



Additive Guide



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