

BYK-MAX HS 4314

Heat stabilizer formulation for use in polypropylene compositions to ensure long-term thermal stability.

Product data

Composition

Organic heat stabilizer composition in a polypropylene carrier

Typical properties

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

MFR (230 °C, 2.16 kg): 55 g/10 min
 Bulk density: 500 kg/m³
 Color: off-white
 Delivery form: pellet

Storage and transportation

Product shelf life in unopened original packaging: 24 months
 Store in sealed containers in a cool, dry, and well-ventilated place.

Applications

Thermoplastics

Special features and benefits

BYK-MAX HS 4314 provides a complete stabilization package designed for unfilled, mineral-filled, and glass-filled polypropylene composites. The stabilization package inhibits thermo-oxidative decomposition by intercepting radicals and decomposing reactive peroxides. Depending on the glass fiber content and dosage, the BYK-MAX HS 4314 can help achieve a long-term heat aging duration beyond 1000 hours at 150 °C.

BYK-MAX HS 4314 is manufactured with a tight concentration specification for reliable performance. It provides long-term thermal stabilization, is safe, and easy to handle.

Recommended use

Extrusion and blow molding parts	<input checked="" type="checkbox"/>
Injection and compression molding parts	<input checked="" type="checkbox"/>
Thick films and sheets	<input checked="" type="checkbox"/>
Fibers	<input type="checkbox"/>

especially recommended recommended

Recommended levels

1.5-3 % additive (as supplied) based on the polypropylene portion of the formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

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



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