

BYK-MAX HS 4350

Heat stabilizer and coupling agent for use in polypropylene-glass fiber (PP-GF) composites to provide long-term thermal stability and increased fiber-matrix adhesion.

Product data

Composition

Organic heat stabilizer and coupling agent 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): 10 g/10 min

Active substance: 70 %

Color: off-white

Delivery form: pellets

Storage and transportation

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

Applications

Thermoplastics

Special features and benefits

BYK-MAX HS 4350 is a multifunctional product for glass-fiber filled polypropylene that stabilizes processing and mechanical properties and bonds glass fibers and PP. It is intended to be used for long-term heat stabilization of 20 to 40 % glass-fiber filled PP for up to 1000 hours at 150 °C, especially in structural applications. BYK-MAX HS 4350 is manufactured with a tight concentration specification for reliable thermal stabilization and structural performance. It is available in the form of compounded pellets, is safe and easy to handle, and dust-free.

Recommended use

Extrusion	■
Injection and compression molding	■
Thick film and sheets	■

■ especially recommended □ recommended

Recommended levels

2.0–4.0 % additive (as supplied) based on the polypropylene portion of the formulation. More than 30 % glass fiber content would require higher dosing.

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

Incorporation and processing instructions

BYK-MAX HS 4350 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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This issue replaces all previous versions.