

Fuji Chemical Industries, Ltd.

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September 20, 2017

Fuji Chemical Industries, Ltd.
Polymer Additives Dpt.

Bactekiller - Inorganic Antimicrobial Agent

Features of Bactekiller

1. Significant antimicrobial efficacy

Bactekiller inhibits the growth of bacteria thanks to its antimicrobial metal ion function, preventing the occurrence of slime, microbiological deterioration and odor.

2. Long lasting durability of antimicrobial efficacy

Because it includes antimicrobial metal ions which almost never evaporate or dissolve, Bactekiller has long lasting antimicrobial efficacy.

3. Superior safety

Because it does not contain harmful heavy metals, Bactekiller is very safe, as has been confirmed by such tests as acute oral toxicity test, primary dermal irritation study, mutagenicity test and skin sensitization study.

4. Superior heat resistance

Being composed of an inorganic substance, Bactekiller does not break down, even at temperatures of 800°C, so that it can be mixed with almost any resin such as thermoplastic resin and thermosetting resin.

Bactekiller grade

Grade	BM-102SD
Type	Silver system
Color	Whitish powder
Particle size (D50)	12.0±1.5
Water content	Less than 3%
Package	20kg/carton box

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Instructions

- Indicated quantity of Bactekiller to be added is 0.3~ 0.5% by weight of base resin material.
- We will advise you on the antimicrobial efficacy test for the indicial stage test as our technical support.

Cautions for use

- 1) Place Bactekiller out of direct sunlight and keep at room temperature.
- 2) Keep any remaining Bactekiller materials well sealed.
- 3) Keep dry. If Bactekiller contains moisture or water, the possibility of causing blistering and dying during processing will increase.
- 4) Take protective measures against dust by wearing a dust mask, protective glasses and gloves as well as keeping the space well ventilated since it is a powder.
- 5) If the material gets in the eyes, rinse out as soon as possible and see a doctor.

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