

Antimony Base Flame-retardant Synergist ST-FS-A390T (Exclusive Use for PVC)

Product Profile

Most formulas of soft PVC products are using antimony trioxide (ATO) as flame-retardant synergist. Meanwhile, the price of ATO is increasing rapidly and unpredictable and the antimony resource is getting less. It leads to the higher cost for most flame-retardant compounding manufacturers.

ST-FS-A390T can replace ATO with good properties. This product can not only save the cost, but also has less content of Pb, As and Hg than ATO.

Specification

Item	Unit	Value
Appearance		white powder
Sb ₂ O ₃	%	≥50.00
As ₂ O ₃	%	≤0.03
PbO	%	≤0.05
Fe ₂ O ₃	%	≤0.003
CuO	%	≤0.0012
Se	%	≤0.003
Average particle size (D50)	μm	1.5-3.0
Whiteness		≥96.0

Application

ST-FS-A390T is specially used in PVC to replace the ATO directly.

The Wires & Cables compounds which use ST-FS-A390T to replace ATO can pass VW-1 tests.

The mechanical and electrical properties also can match the requirements of wires & cables.

Package & Storage

20kg/package. Transported as common chemicals. Keep in dry and cool place.

Disclaimer: All information given and recommendations made herein are based on data which is believed to be reliable. This data is offered in good faith and typical of normal production. The user is solely responsible for the use of this product. It is written and explained by the Anhui Star-Better New Material Technology Co., Ltd., and reserves the right to change the content of this article as necessary, please refer to the latest version of information. It was published in Dec, 2023. Version 2.1.

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