

Antimony Base Flame Retardant Synergist ST-FS-A3T

(Exclusive Use for PVC)

Product Profile

Most formulas of soft PVC products are using antimony trioxide (ATO) as flame retardant synergist. ST-FS-A3T is specially designed for replacing ATO in PVC. This product can not only save the cost obviously, but also has less content of lead, arsenic and other heavy metals than ATO.

Specification

Item	Unit	Value
Appearance		white powder
Average Particle Size (D50)	μm	2.0-4.0
Whiteness		≥96.0
Sb ₂ O ₃	%	≥50.00
As ₂ O ₃	%	≤0.03
PbO	%	≤0.05
Fe ₂ O ₃	%	≤0.003
CuO	%	≤0.001
Se	%	≤0.001

Application

ST-FS-A3T is specially used in PVC to replace the ATO directly.

The Wires & Cables compounds which use ST-FS-A3T 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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