

SPECIAL TREATMENT ANTIMONY TRIOXIDE “STOX-CA, STOX-CFA”

STOX-CA / STOX-CFA is a special grade for catalysis of polyester production reactions. The products have been developed through our research and endeavor for the quality improvement over more than 40 years. The products, with its stable high quality, are enjoying worldwide good reputations. The particle surface of various types of antimony trioxide is chemically treated to be moisturized to prevent dust emission and for high dispersion. Ethylene glycol treatment is used for the catalyst grade of dust-free.

Specification

Chemical composition as Antimony Trioxide powder

		STOX-CA <u>Guaranteed Spec.</u>	STOX-CFA <u>Guaranteed Spec.</u>
Antimony trioxide	Sb_2O_3	99.7 % min.	99.9 % min.
Arsenic	As	500 ppm max.	100 ppm max.
Lead	Pb	60 ppm max.	90 ppm max.
Iron	Fe	30 ppm max.	30 ppm max.
Color tone L*		93.0 min.	98.0 min.
Turbidity in HCl		9 ppm max.	9 ppm max.
Average particle size		0.80 - 1.20 μm	0.10 - 0.50 μm

Typical Composition

Mixture ratio: Antimony Trioxide powder 97wt% / Mono-Ethylene Glycol 3wt%

Characteristics

The solubility of this grade in ethylene glycol is very good and practically no residues are left after dissolving. It is advantageous that no "clogging-up" occurs during the polyester production process and maintenance can be easily carried out. The polyester chips and fibers produced with this grade show very little color fluctuation and the coloration for such products is very stable.

Moreover, the fibers produced are free from troubles of "snapping".

Packing

25 kgs net in paper bags (Inner lining; polyethylene package)

35 kgs net in Plastic drums (High density polyethylene)

45 kgs net in Fiber drums (Inner lining; polyethylene package)

* The statement and methods presented herein about the products are based upon the best available data and practices currently known to us. However they are neither presentations nor warranties of performance, results or comprehensiveness of such data, and further they do not imply any recommendation to infringe any patent or offer of a license under any license.



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