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Antimony Trioxide flame retardant CAS1309-64-4

Description of Antimony Trioxide

Antimony trioxide is a kind of high dispersed superfine granular material, made from antimony trioxide powder of which surface is treated through chemical method that make the powder slightly moisturizes to avoid any fine powder suspending in the air and bringing out harm to human body, meanwhile the antimony trioxide can resist fire and enhance the plastic features.

Specification of Antimony Trioxide

ITEM	STANDARD	STANDARD	STANDARD
Sb ₂ O ₃ (%)≥	99.50	99.80	99.90
As(%)≤	0.045	0.045	0.004
Pb(%)≤	0.093	0.074	0.009
Fe(%)≤	0.0042	0.0035	0.003
Cu(%)≤	0.0025	0.002	0.0015
Se(%)≤	0.0050	0.004	0.004
Bi(%)≤	0.002	0.002	0.001
Cd(%)≤	0.0015	0.001	0.0005

Application of Antimony Trioxide

- 1) Used as a fire retardant in the membranes of plastics industry, the enclosures of electric devices and household electric appliances, such as PVC, PP, PE, PS, ABS, PU, etc..
- 2) Used as filling, covering agents and retardants for rubber, ceramics, enamels, fabrics, and fiber products.
- 3) Used as colors and retardants in oil paint and coating material industry.
- 4) Used as retardants in synthetic resin and papers.
- 5) Used as catalytic agent in organic synthesis.

Packing of Antimony Trioxide

