

Antimony Oxide Powder







NS6130-05-553

APS
40-50 μ m



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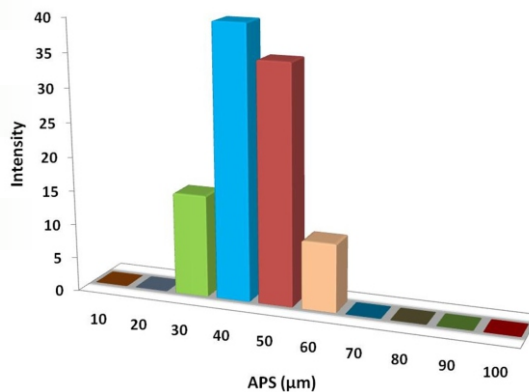
Antimony Oxide Powder

Antimony oxide is an inorganic commercial compound and very important on antimony materials family. It is found in nature as valentinite and senarmontite minerals and it is soluble in water with the hydrolysis. Antimony oxide and antimony pentoxide are mostly used as a flame retardant additive. Antimony oxide is mostly used in plastic (polymer) materials while antimony pentoxide is mostly used in the textile industry and special applications. Antimony oxide is available in a white stable crystalline powder.

Antimony is a metalloid (i.e., possesses electronegativity and ionization energy properties). It is primarily used as a plastic catalyst in the manufacture of polyethylene terephthalate (PET) plastic as well as in combination with halogenated compounds as a synergist to enhance flame-inhibiting properties. Antimony alloys are also utilized in batteries, low friction metals, type metal, and cable sheathing, among other products. The compounds of Antimony are used to make flame-proofing materials, ceramic enamels, paints, glass, and pottery.

Quick Facts

Product	:	Antimony Oxide Powder
Stock No	:	NS6130-05-553
CAS	:	1309-64-4
Purity	:	99%
Color	:	White
Form	:	Powder



Technical Specification

Formula	APS	Melting Point	Boiling Point
Sb ₂ O ₄	40-50µm	656 °C	1425 °C

Chemical Composition

Product	Weight Percent (nominal)	
	Sb ₂ O ₄	Other Metal
Antimony Oxide Powder	99%	

Applications

- Enamels for ceramics and plastics
- Pigments in paint and ceramics
- Stabilizers in glass, rubber
- Batteries